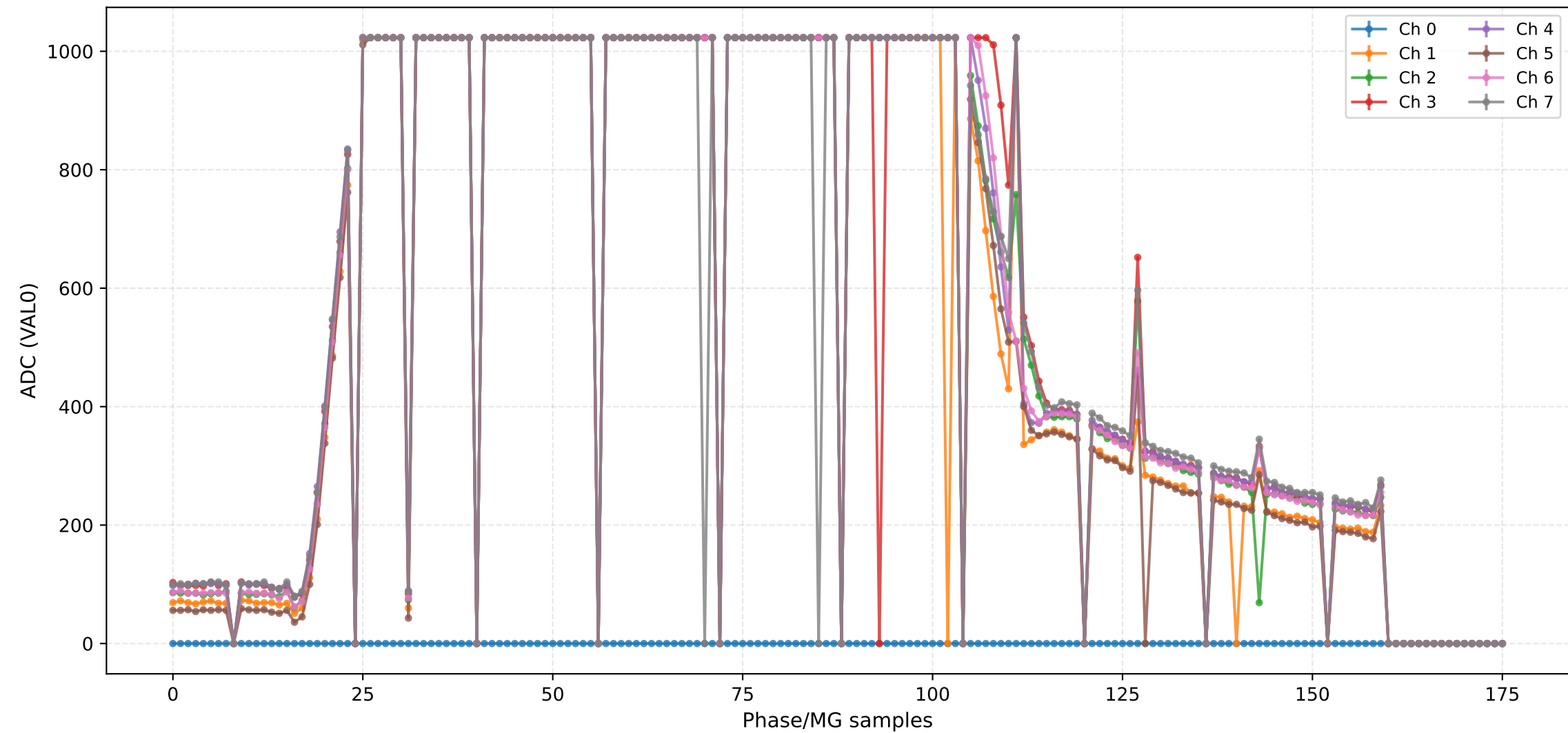
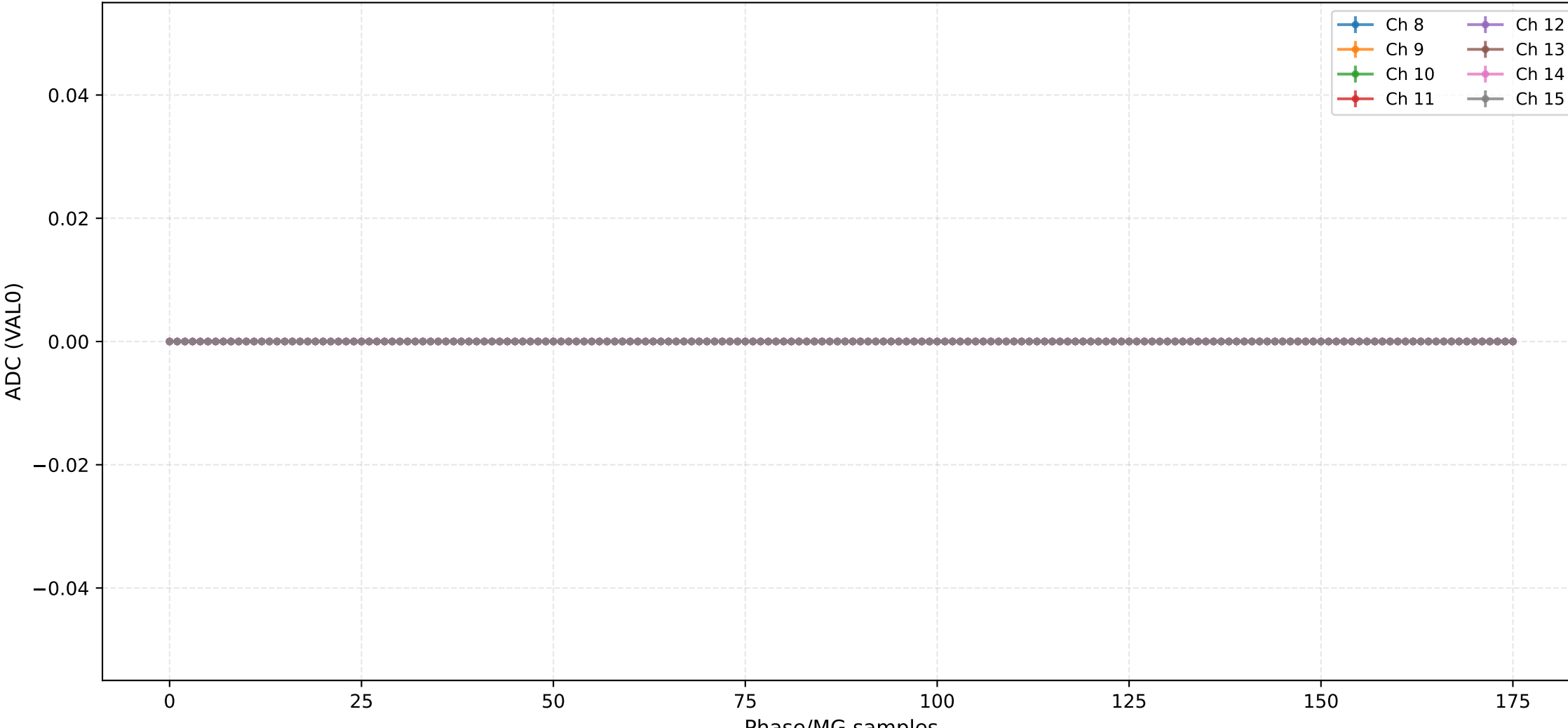


ADC (VAL0) - Channels 0 to 7



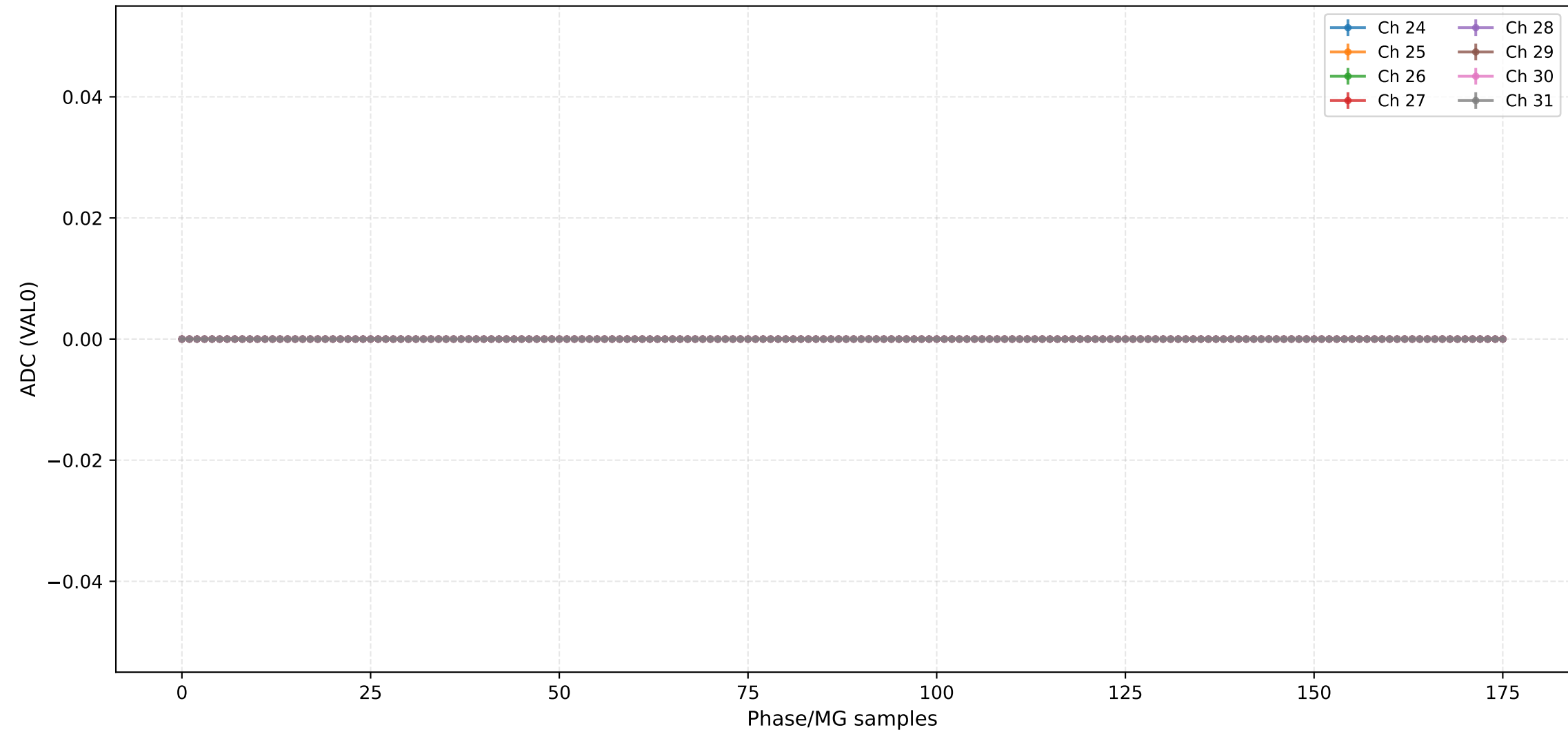
### ADC (VAL0) - Channels 8 to 15



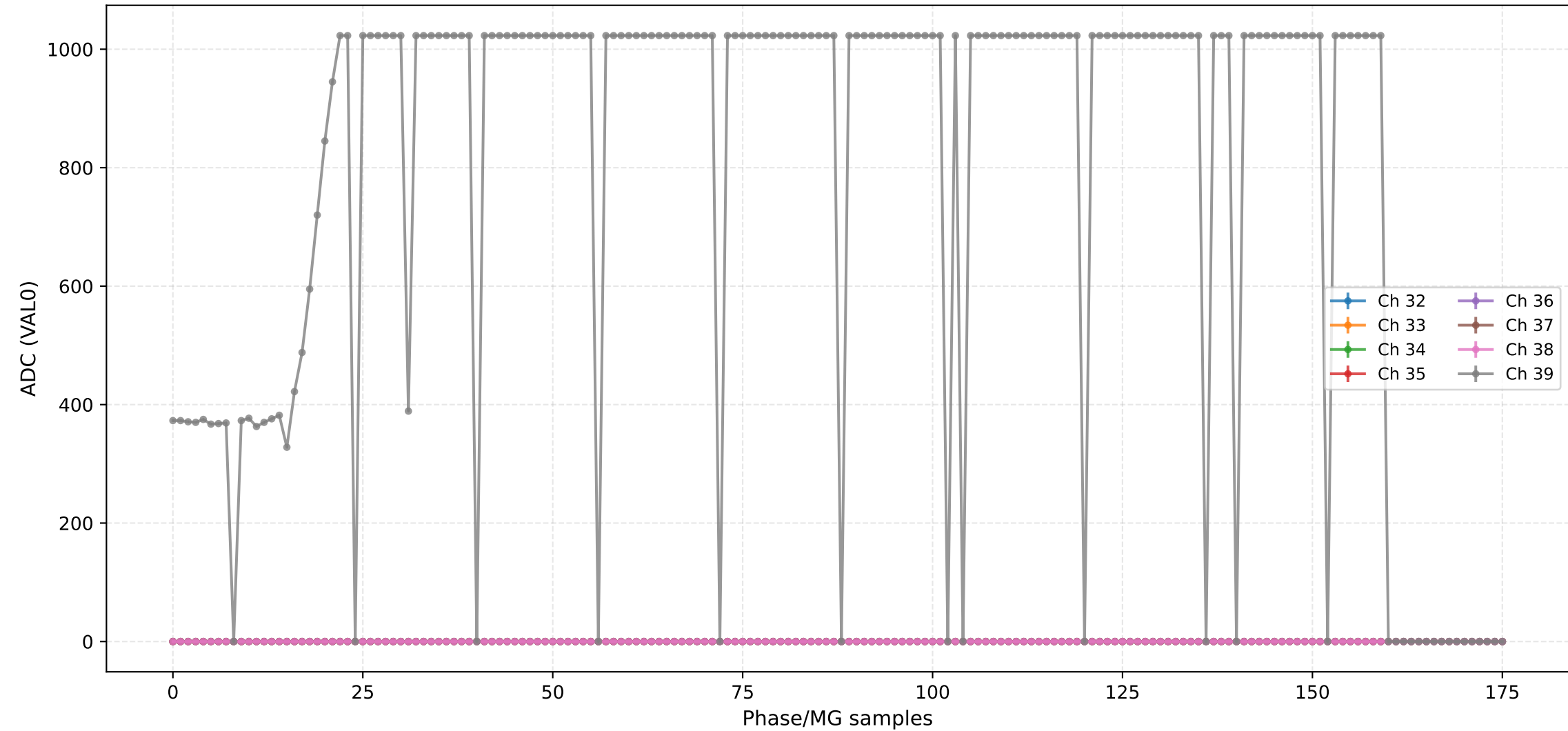
### ADC (VAL0) - Channels 16 to 23



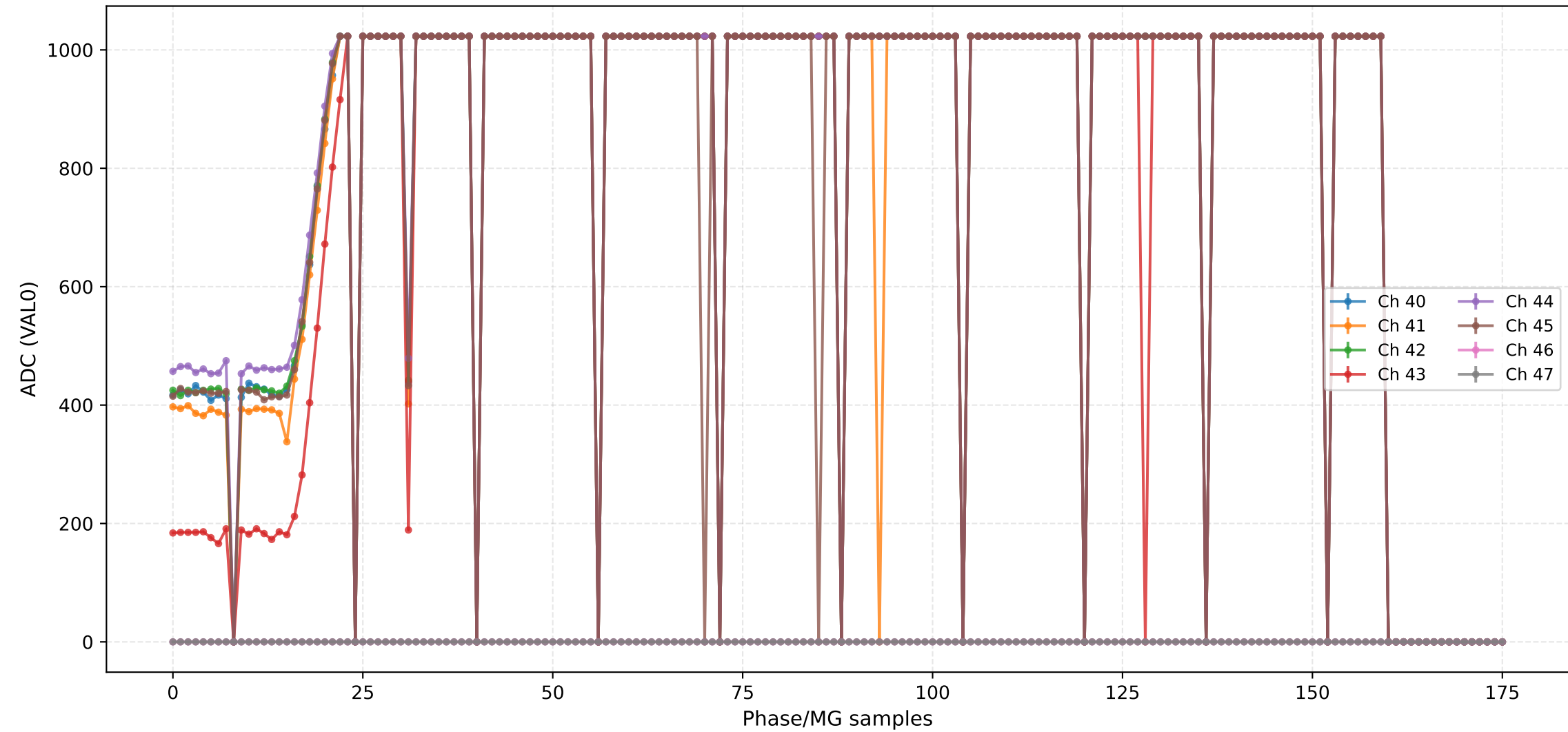
### ADC (VAL0) - Channels 24 to 31



## ADC (VAL0) - Channels 32 to 39



## ADC (VAL0) - Channels 40 to 47



## ADC (VAL0) - Channels 48 to 55



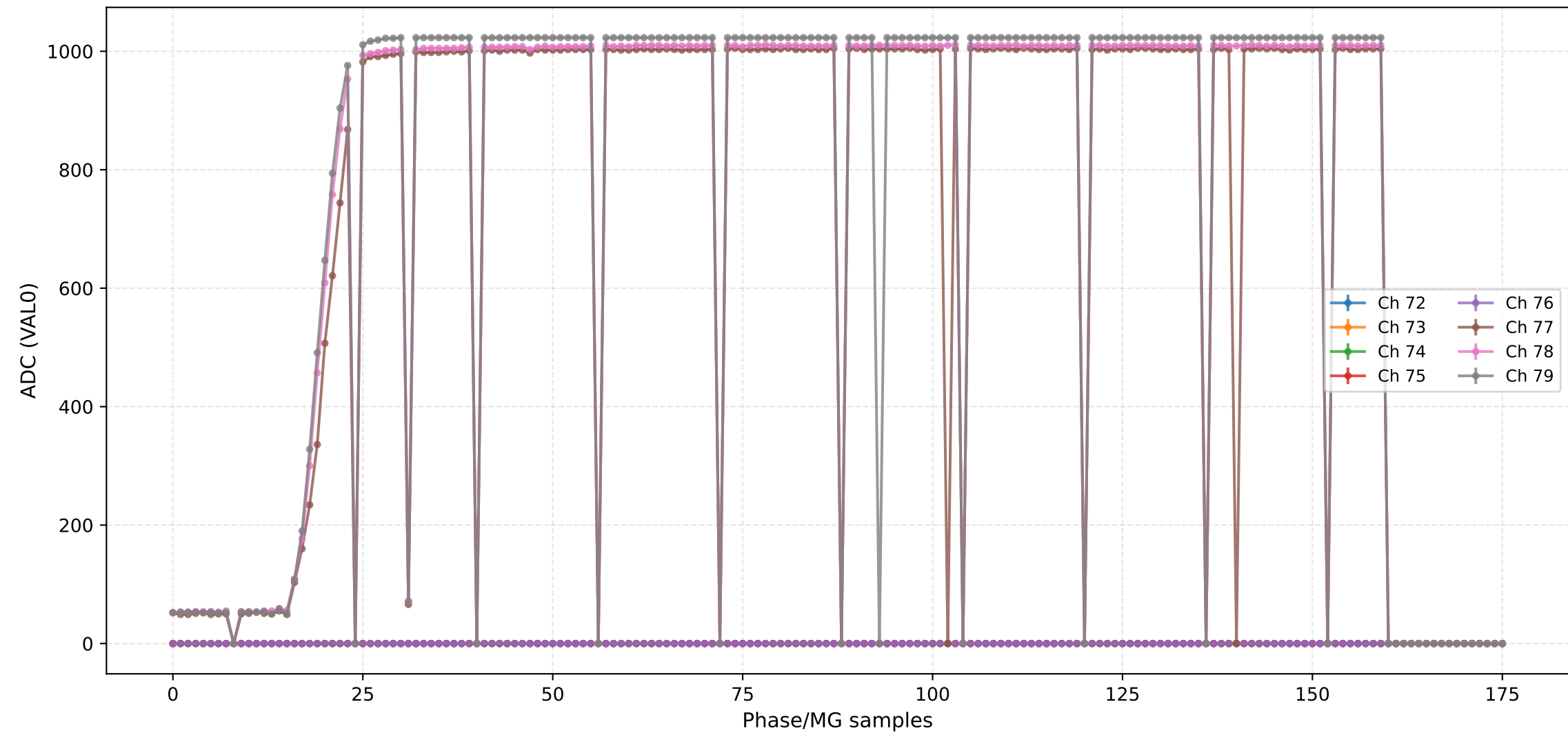
## ADC (VAL0) - Channels 56 to 63



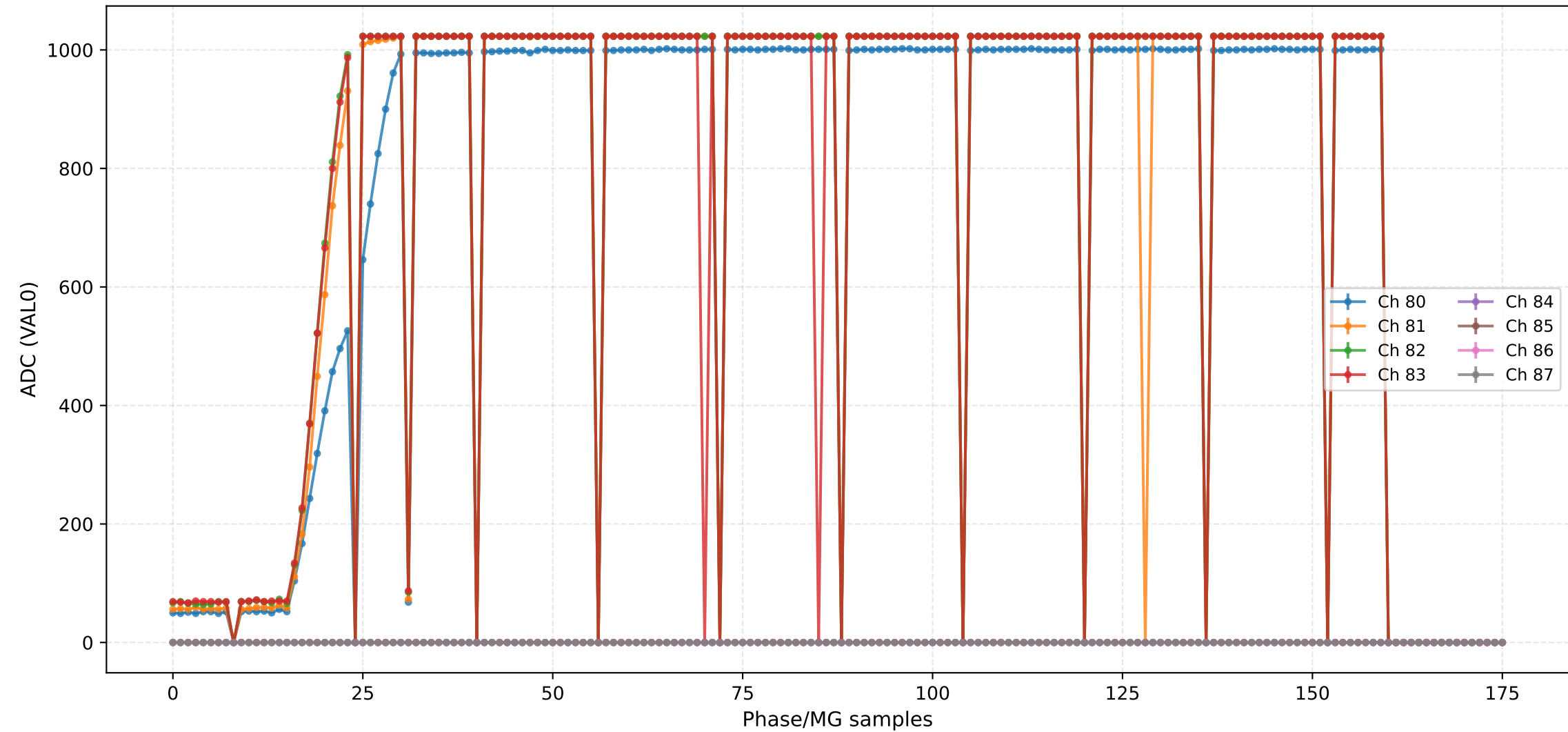
## ADC (VAL0) - Channels 64 to 71



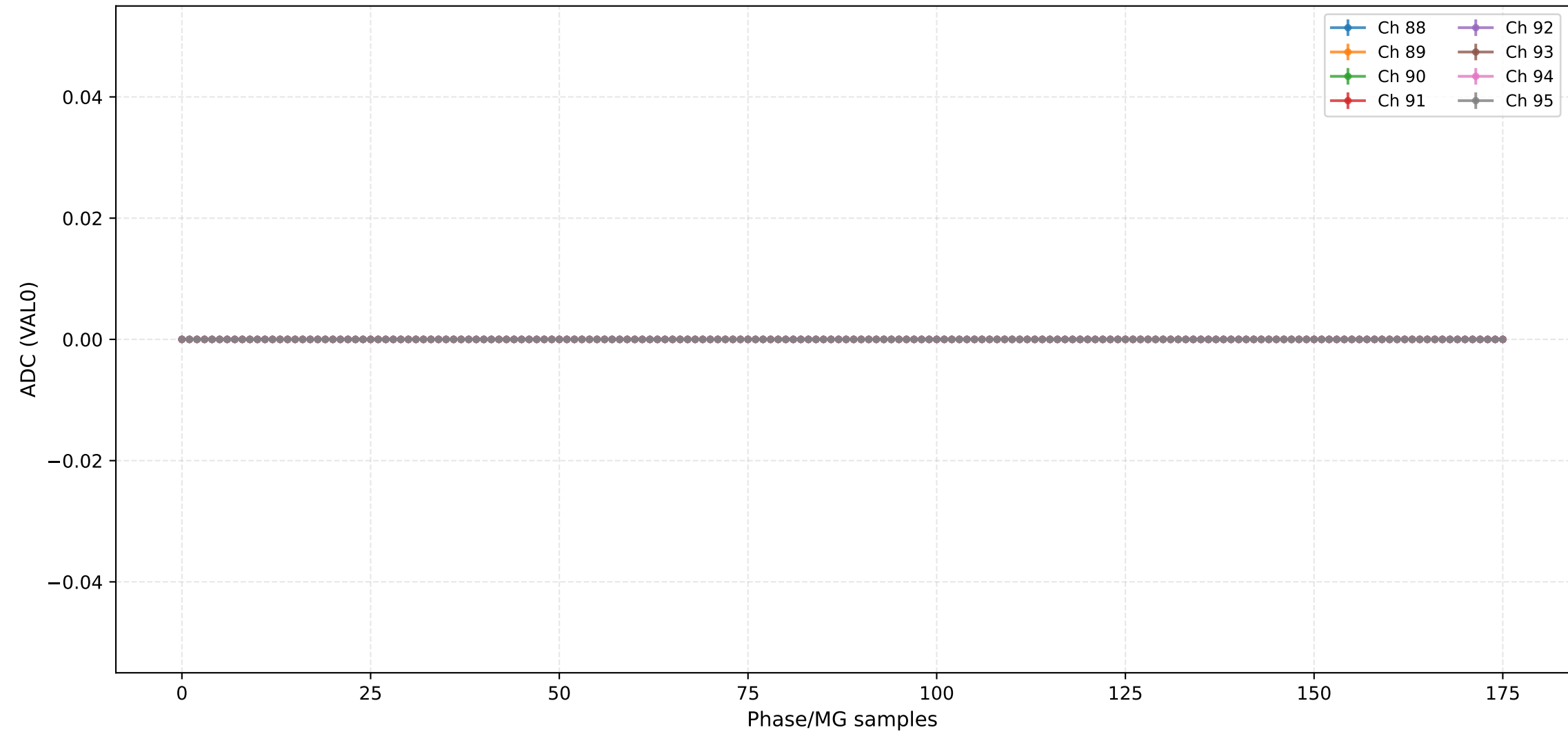
## ADC (VAL0) - Channels 72 to 79



ADC (VAL0) - Channels 80 to 87



### ADC (VAL0) - Channels 88 to 95



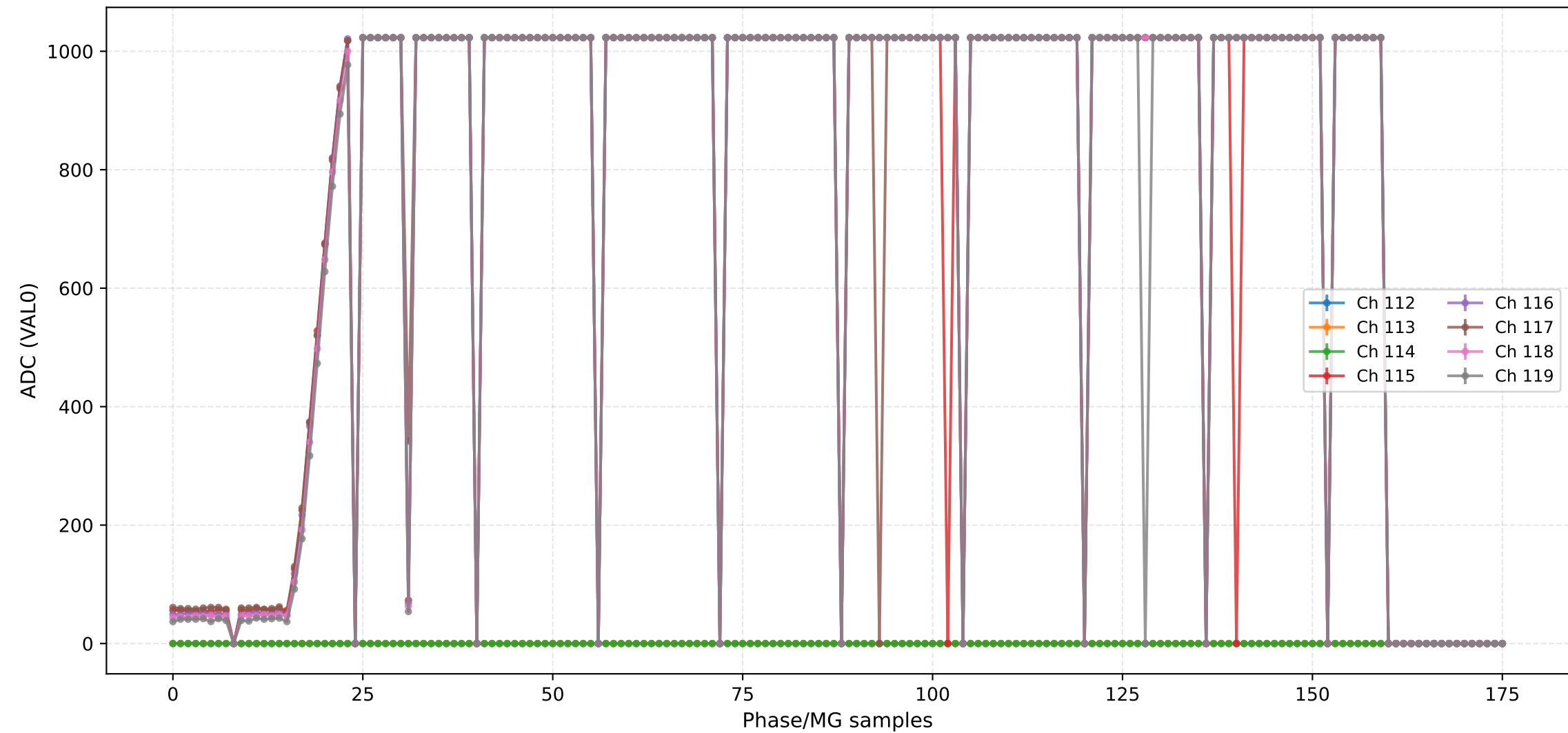
## ADC (VAL0) - Channels 96 to 103



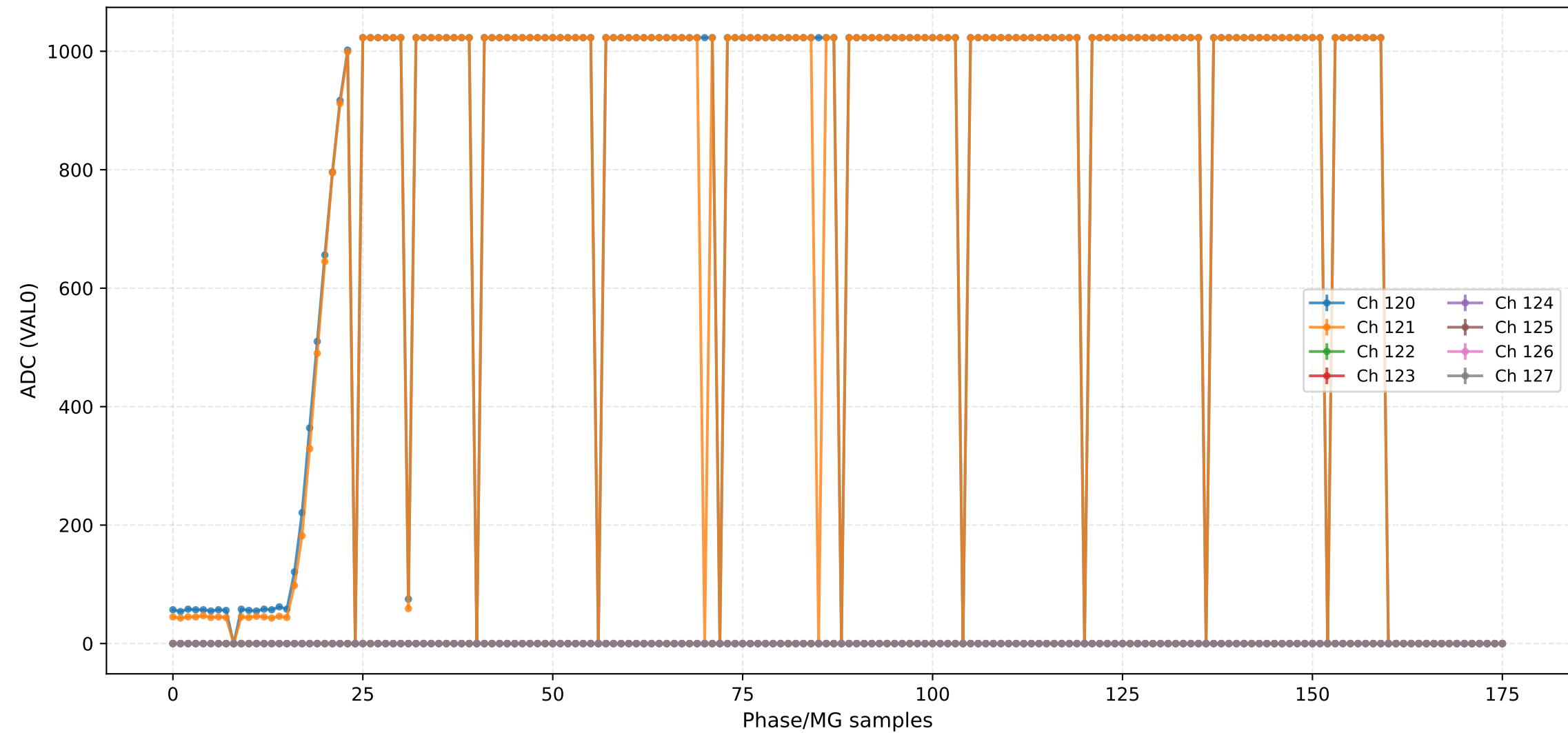
## ADC (VAL0) - Channels 104 to 111



ADC (VAL0) - Channels 112 to 119



ADC (VAL0) - Channels 120 to 127



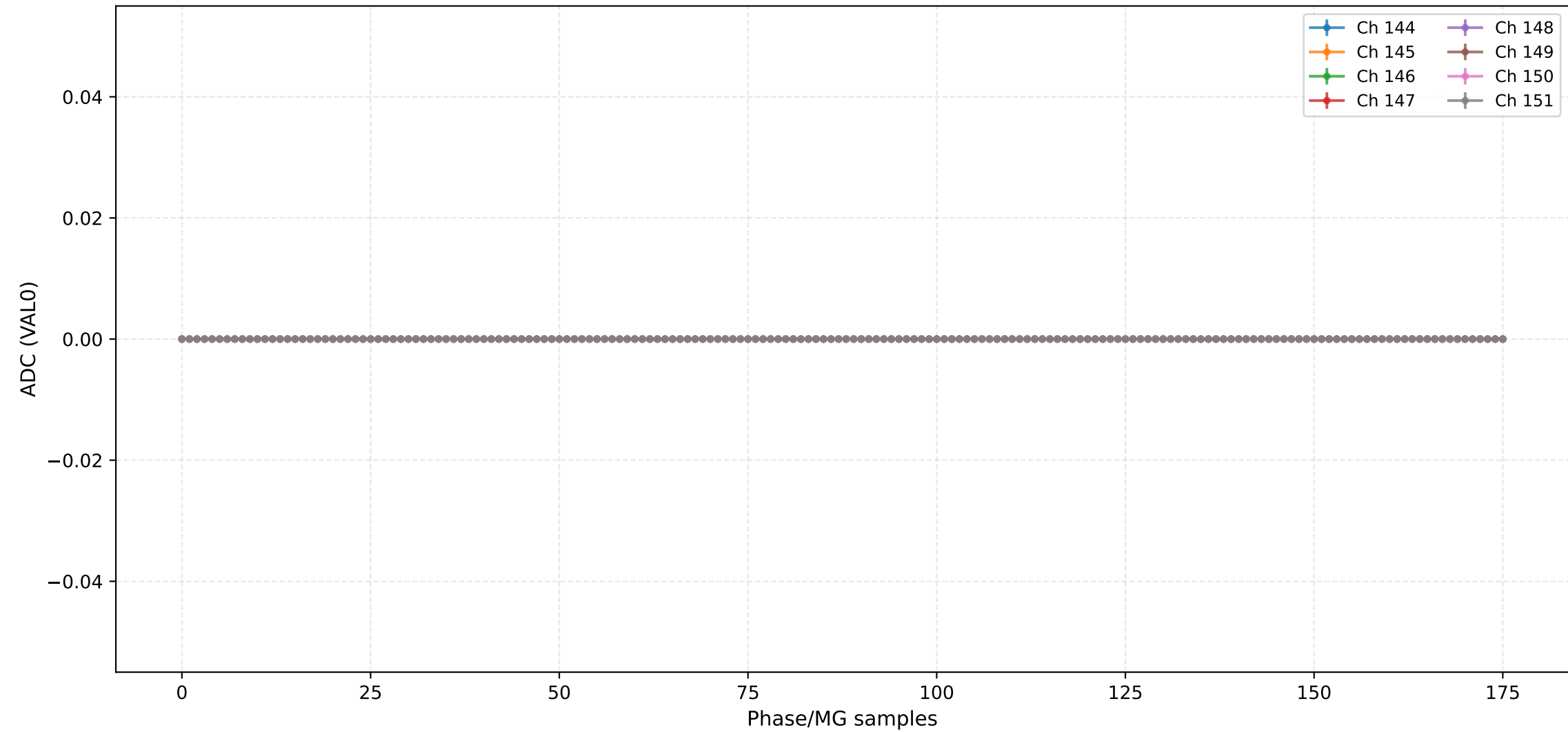
### ADC (VAL0) - Channels 128 to 135



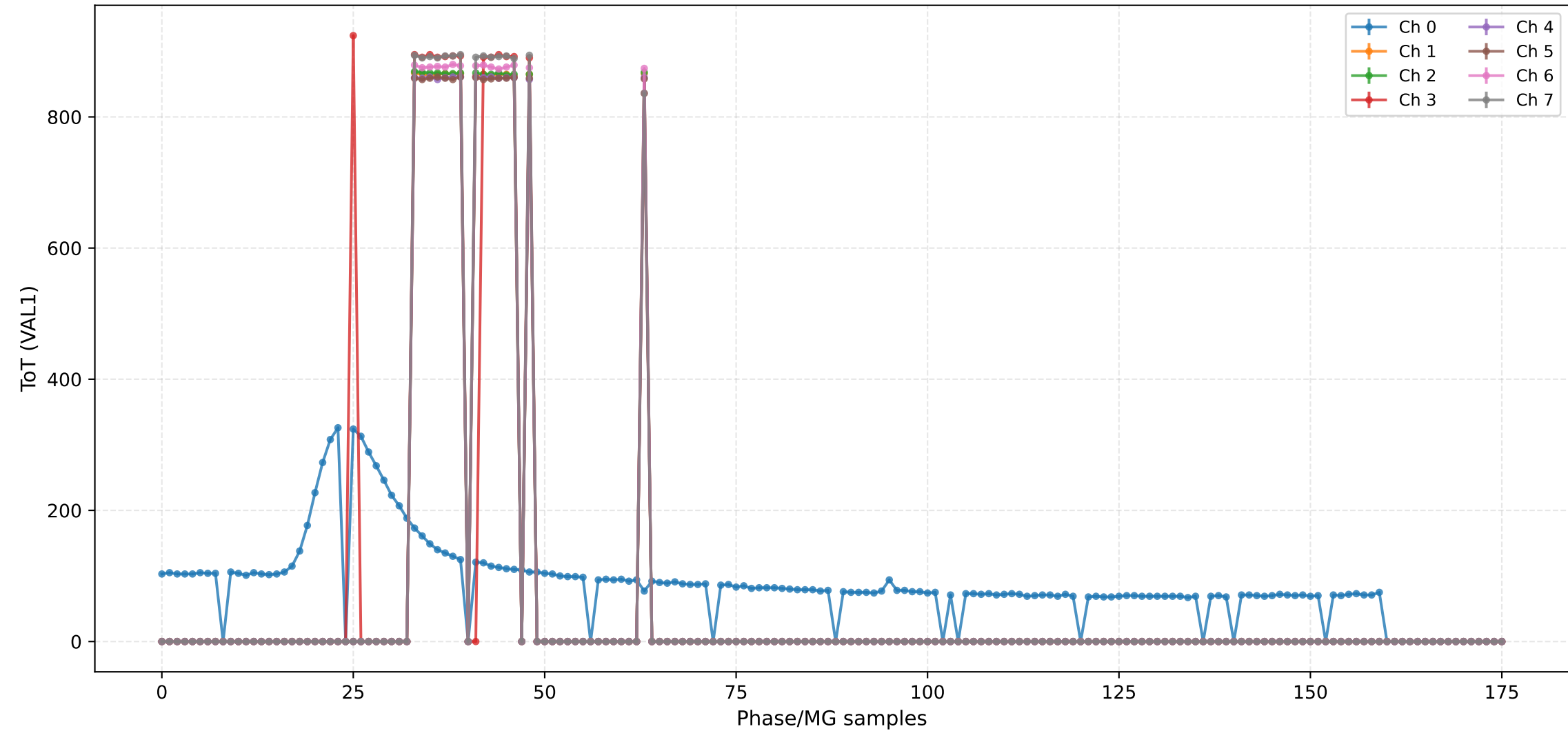
## ADC (VAL0) - Channels 136 to 143



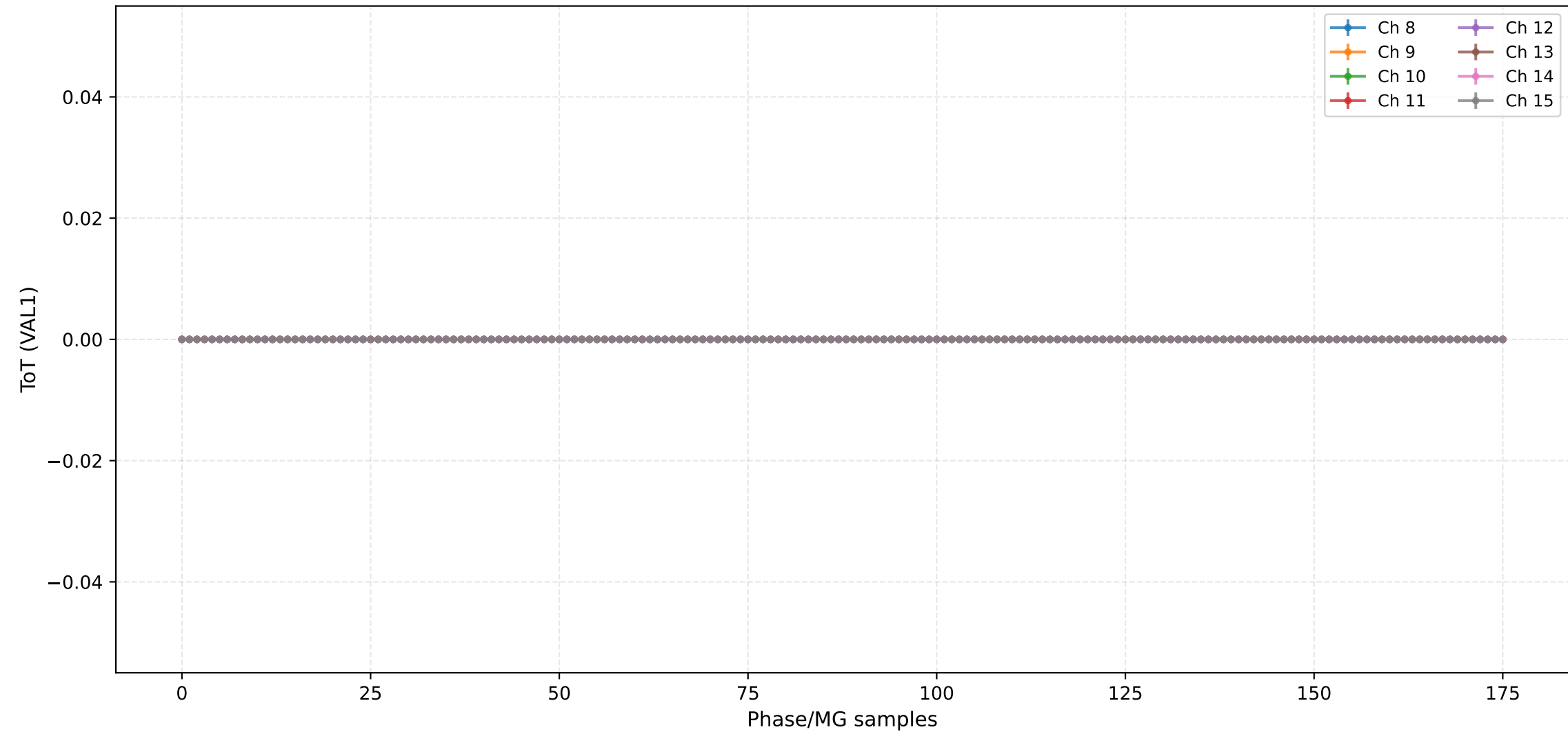
### ADC (VAL0) - Channels 144 to 151



## ToT (VAL1) - Channels 0 to 7



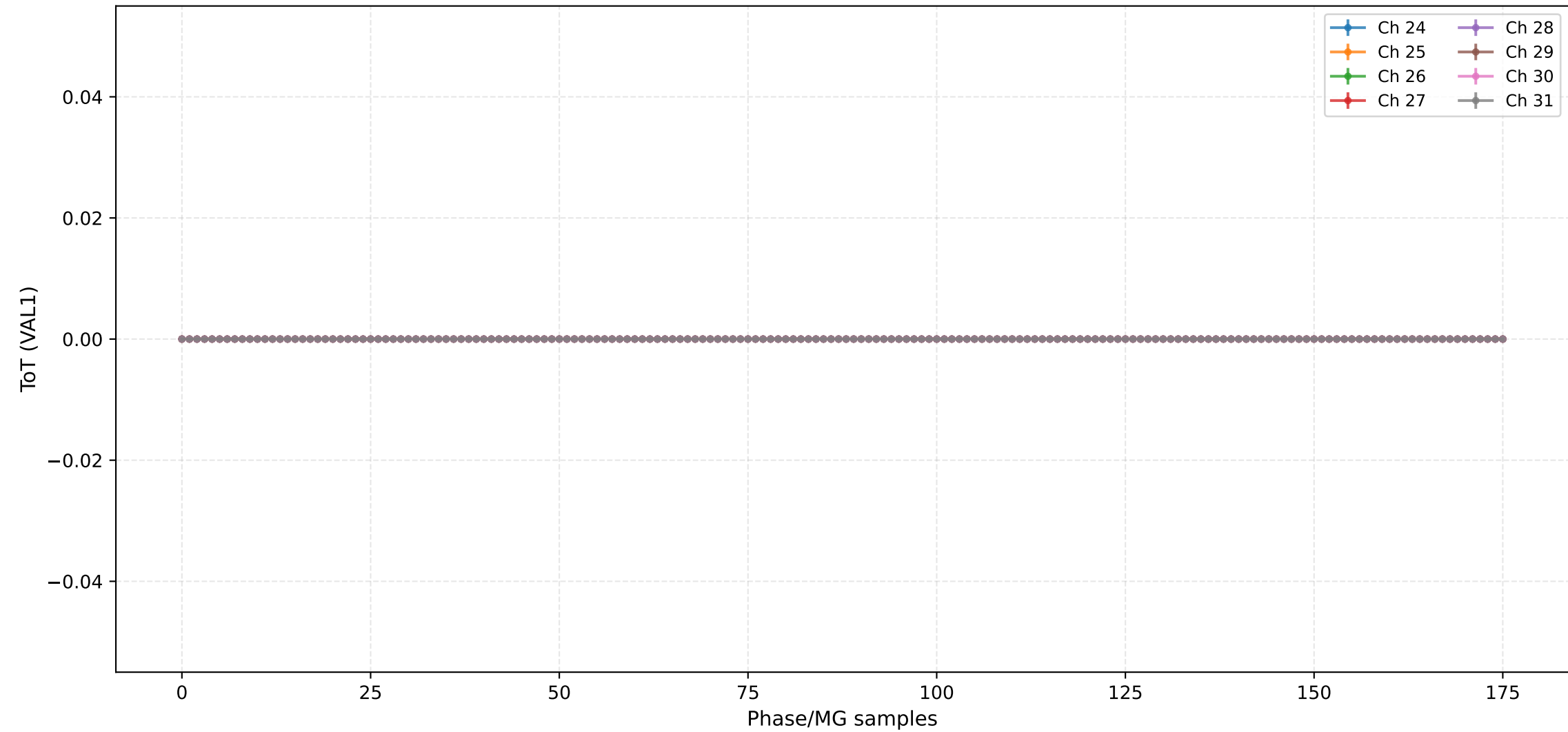
### ToT (VAL1) - Channels 8 to 15



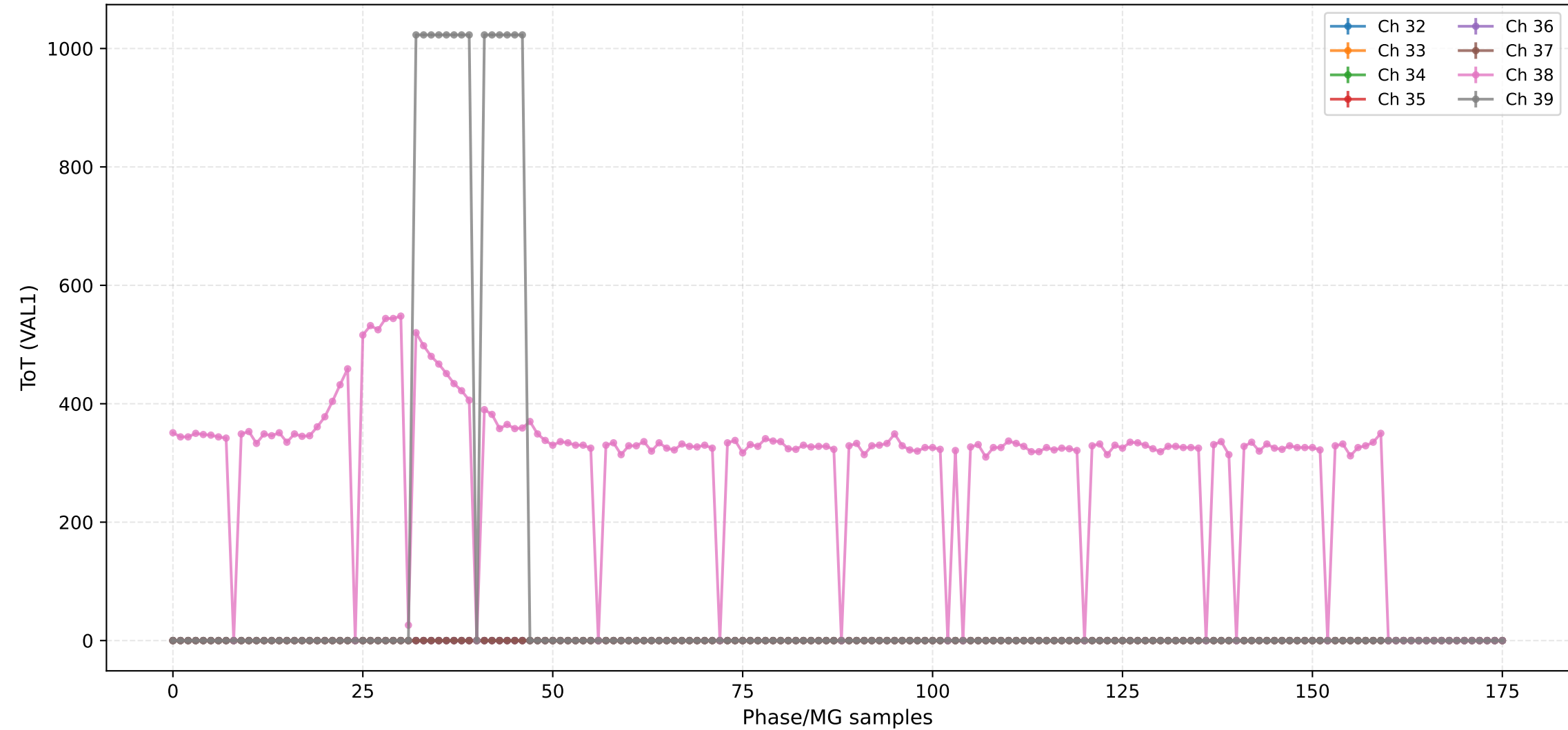
ToT (VAL1) - Channels 16 to 23



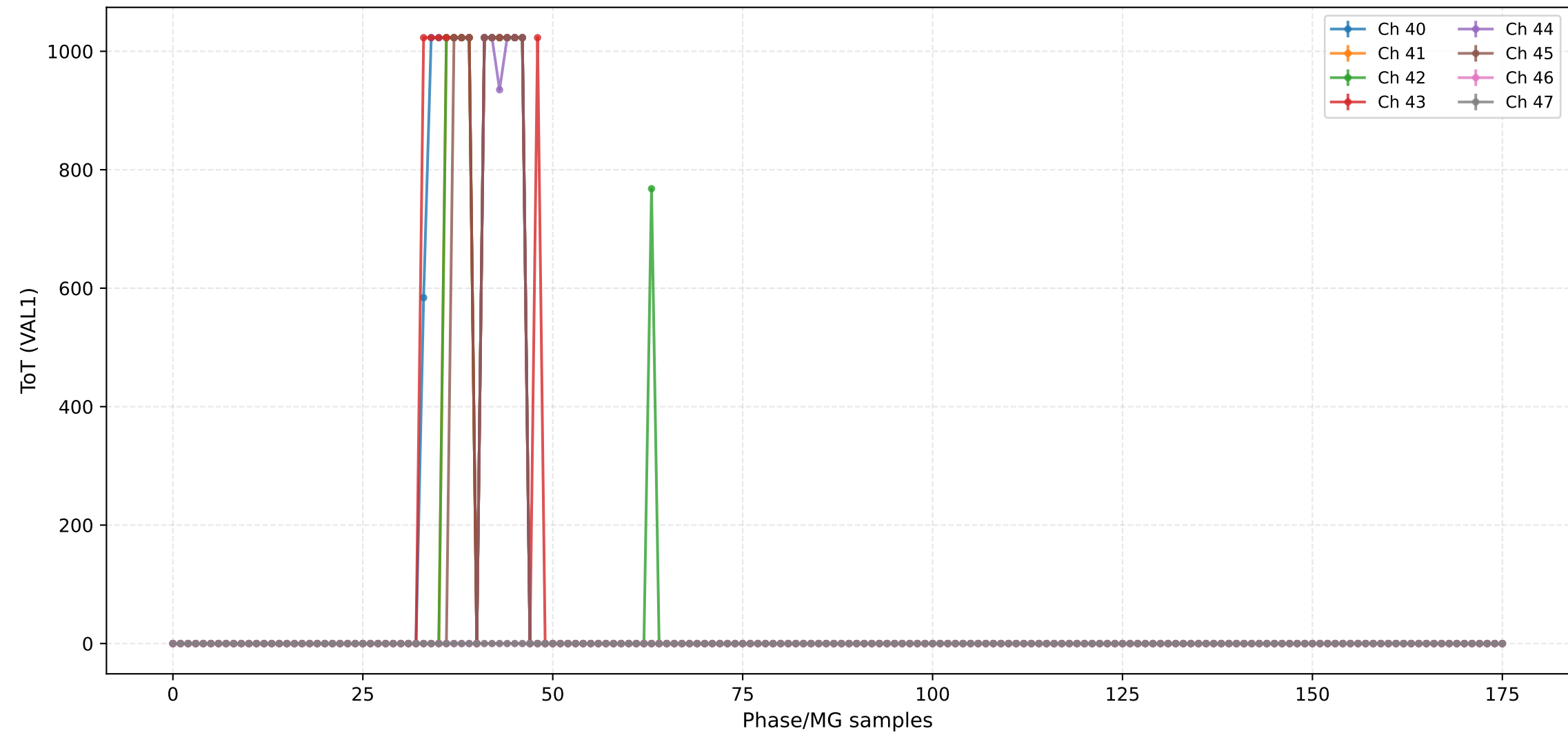
## ToT (VAL1) - Channels 24 to 31



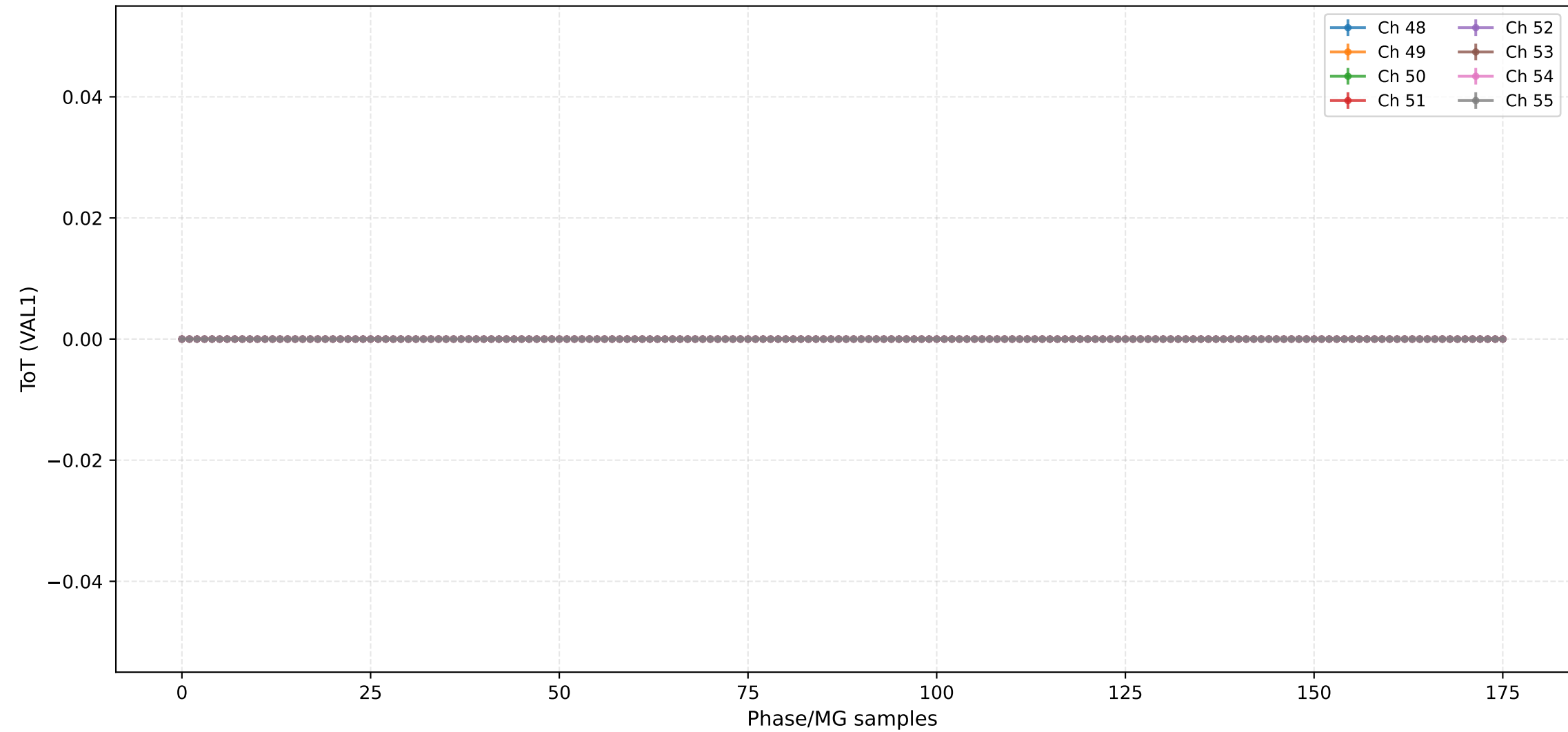
### ToT (VAL1) - Channels 32 to 39



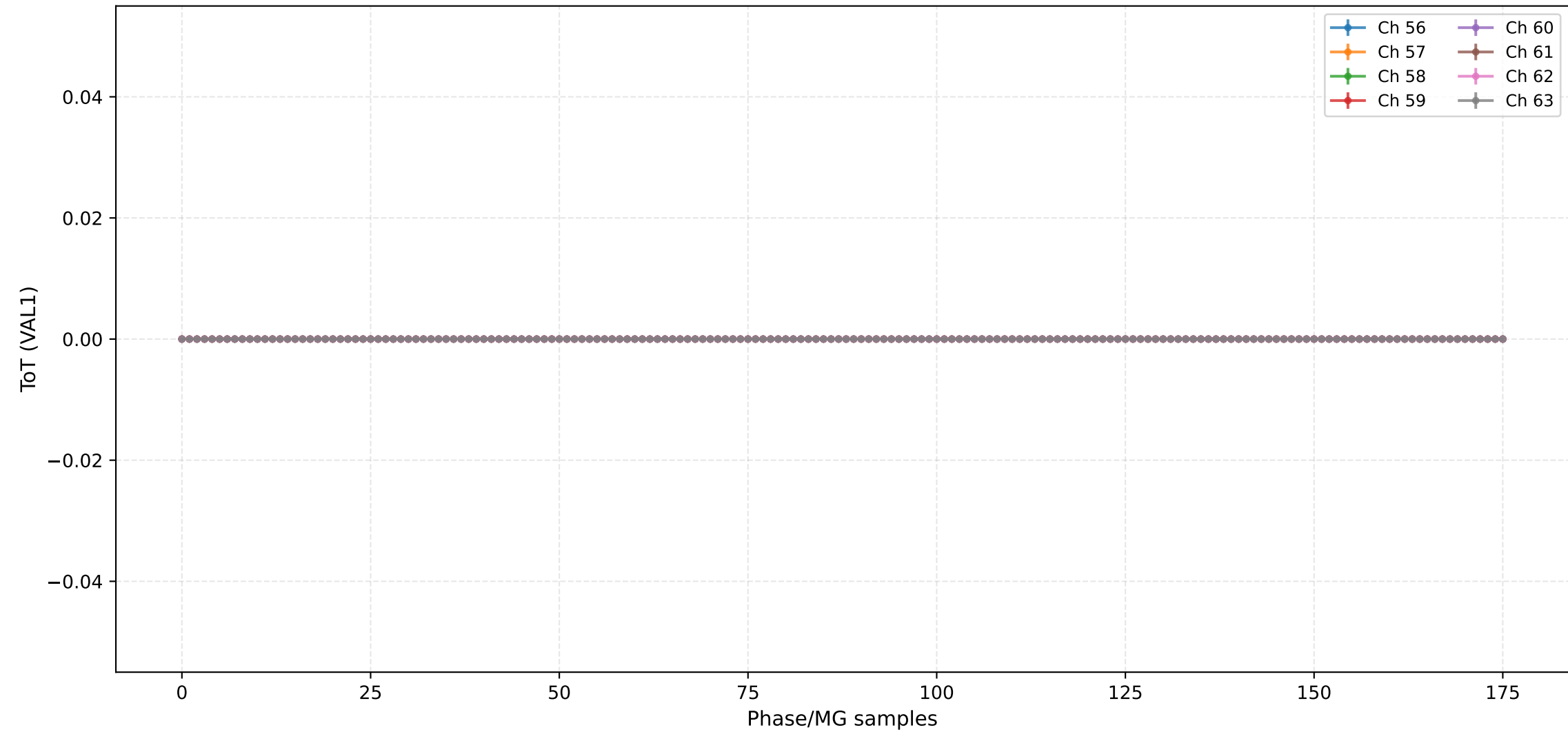
ToT (VAL1) - Channels 40 to 47



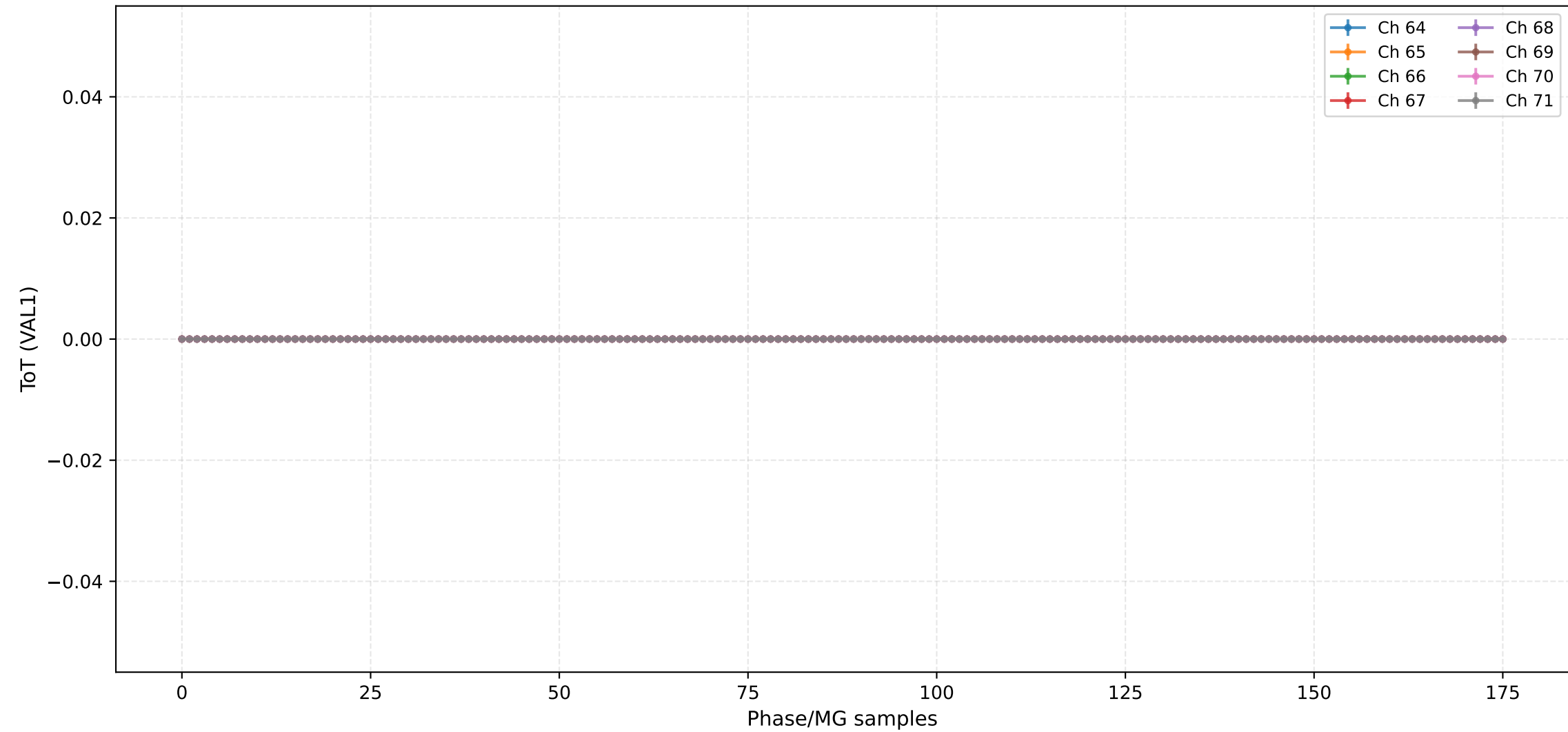
### ToT (VAL1) - Channels 48 to 55



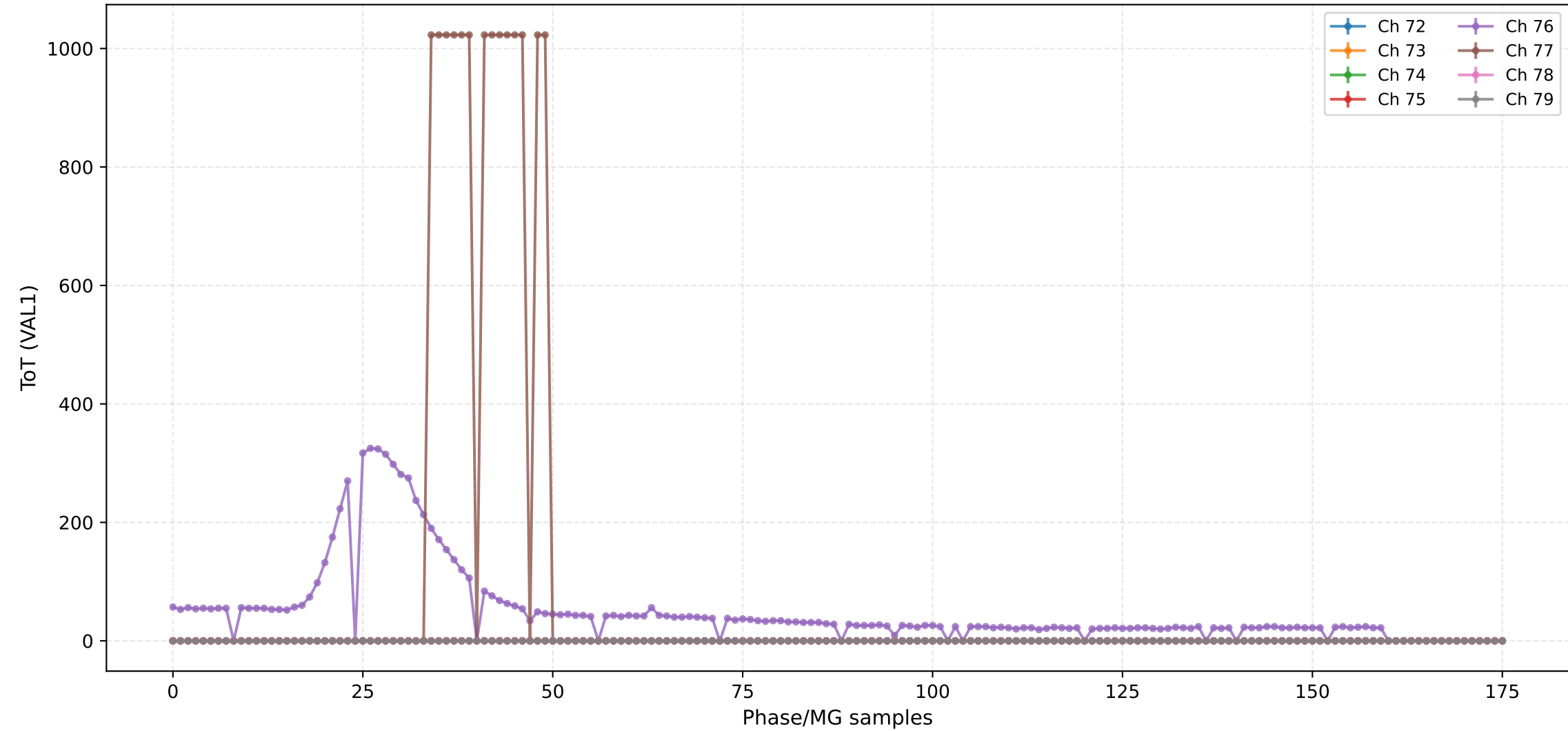
ToT (VAL1) - Channels 56 to 63



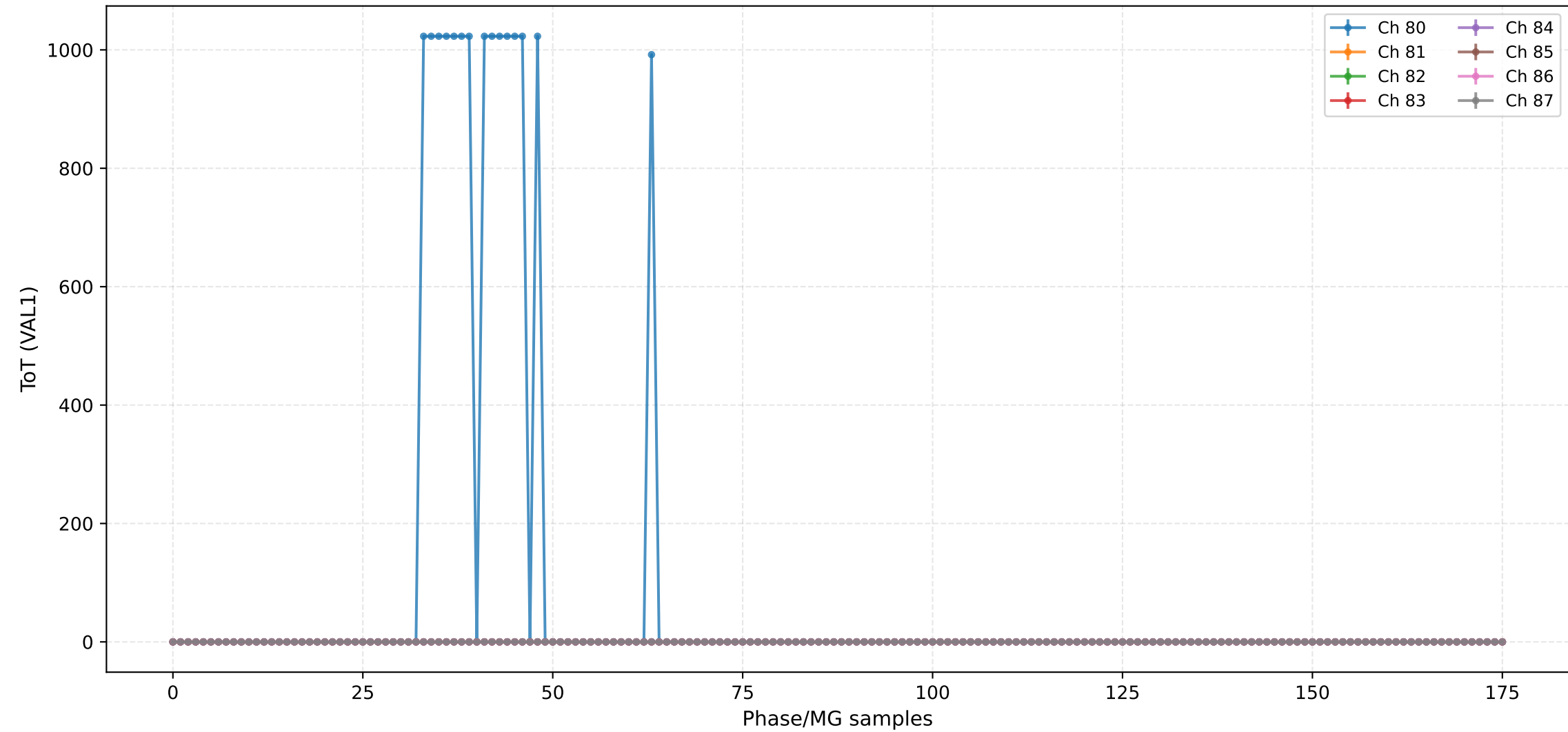
ToT (VAL1) - Channels 64 to 71



## ToT (VAL1) - Channels 72 to 79



## ToT (VAL1) - Channels 80 to 87



ToT (VAL1) - Channels 88 to 95



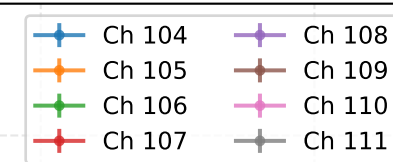
ToT (VAL1) - Channels 96 to 103



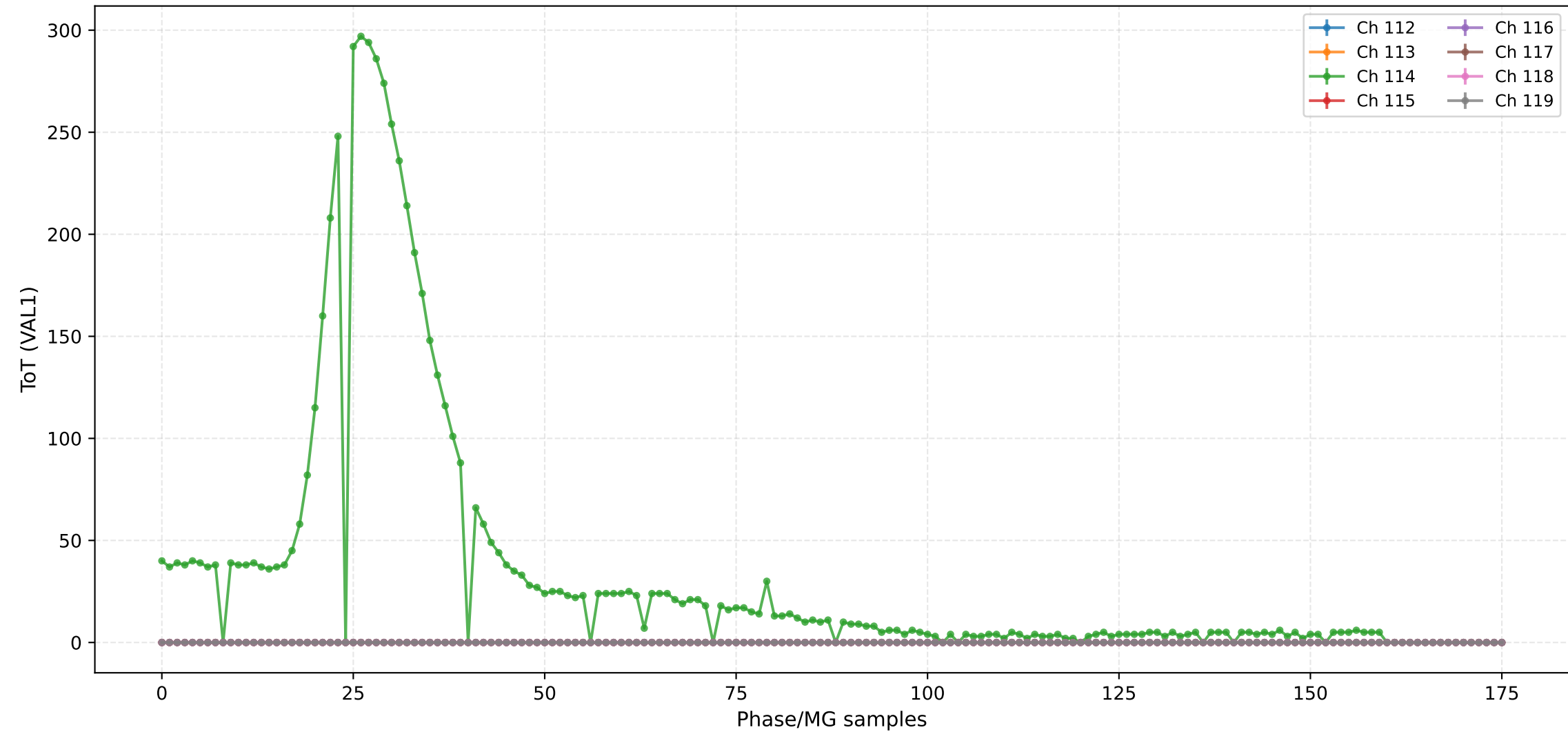
The figure displays the time evolution of the order parameter  $S$  for seven different channels. The x-axis represents time  $t$  from 0 to 175, and the y-axis represents the order parameter  $S$  from 0.0 to 1.0. A dashed horizontal line is drawn at  $S = 0.5$ . The legend in the top right corner identifies the channels by color and marker:

- Ch 104: Blue line with '+' markers
- Ch 105: Orange line with '+' markers
- Ch 106: Green line with '+' markers
- Ch 107: Red line with '+' markers
- Ch 108: Purple line with '+' markers
- Ch 109: Brown line with '+' markers
- Ch 110: Pink line with '+' markers

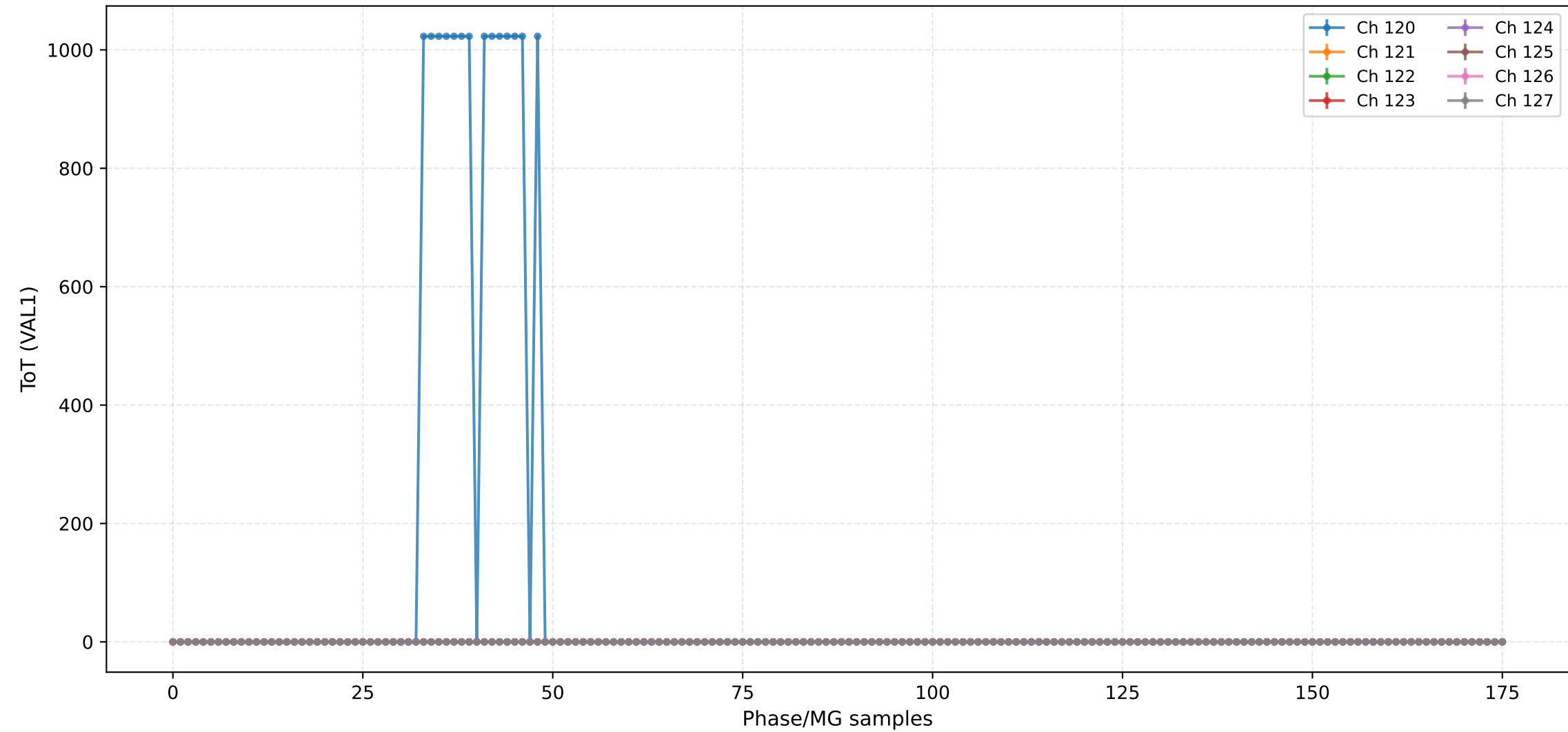
All channels start at  $S = 0.0$  and remain there until approximately  $t = 10$ . After  $t = 10$ , the channels diverge and rise to different steady-state values. Ch 104 (blue) rises to approximately 0.8, Ch 105 (orange) to approximately 0.7, Ch 106 (green) to approximately 0.6, Ch 107 (red) to approximately 0.5, Ch 108 (purple) to approximately 0.4, Ch 109 (brown) to approximately 0.3, and Ch 110 (pink) to approximately 0.2. The channels show a clear hierarchy in their final values, with Ch 104 having the highest and Ch 110 the lowest.



### ToT (VAL1) - Channels 112 to 119



### ToT (VAL1) - Channels 120 to 127



## ToT (VAL1) - Channels 128 to 135



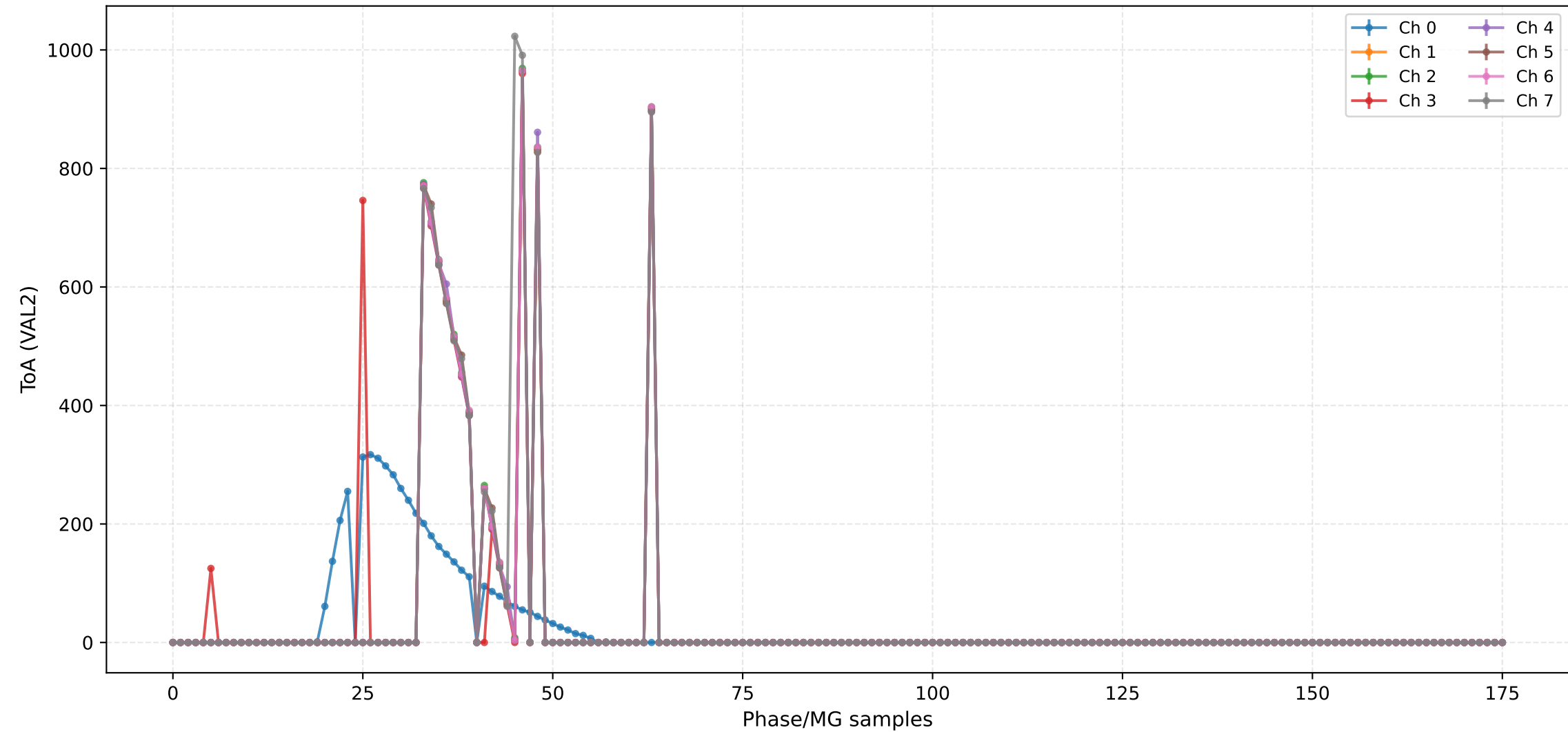
## ToT (VAL1) - Channels 136 to 143



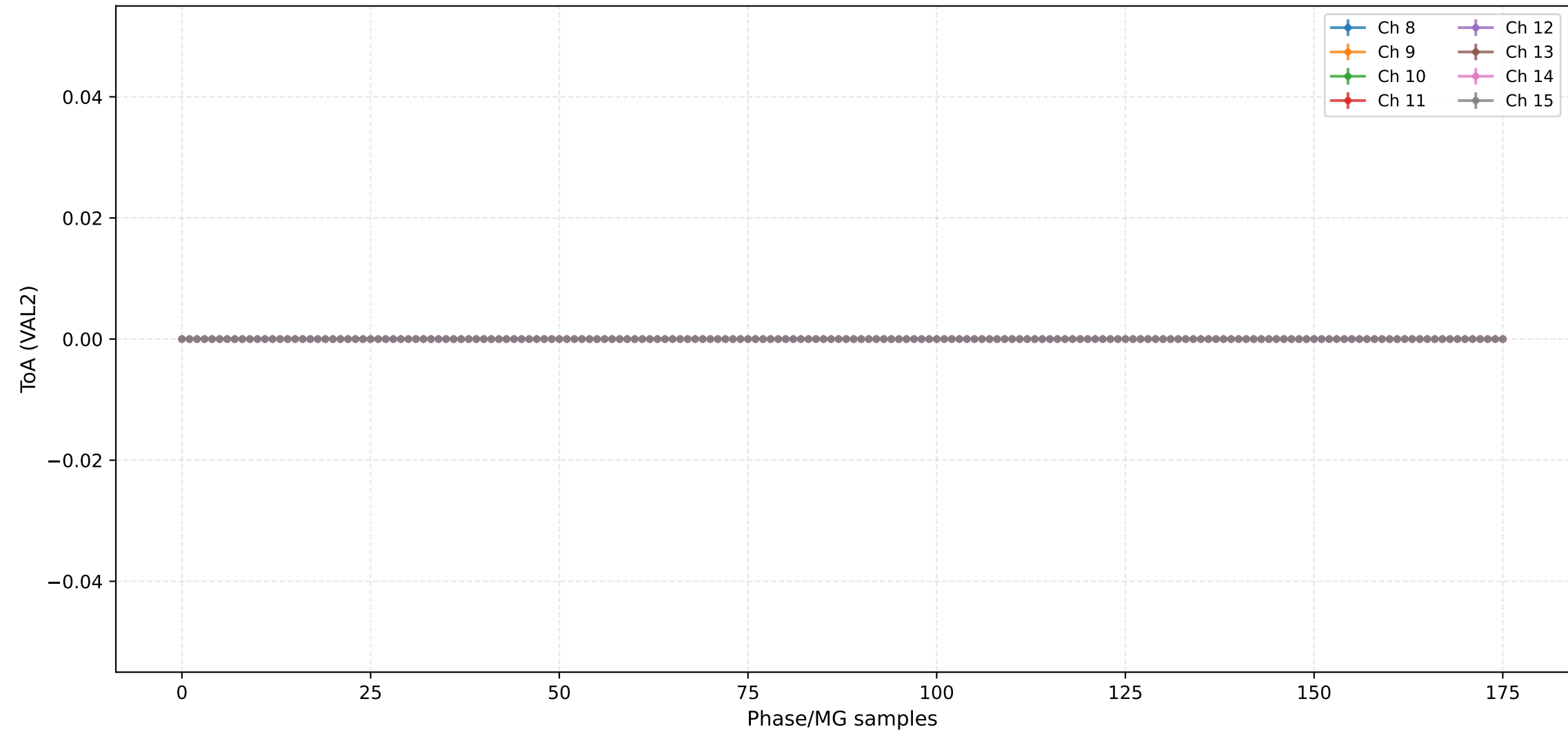
ToT (VAL1) - Channels 144 to 151



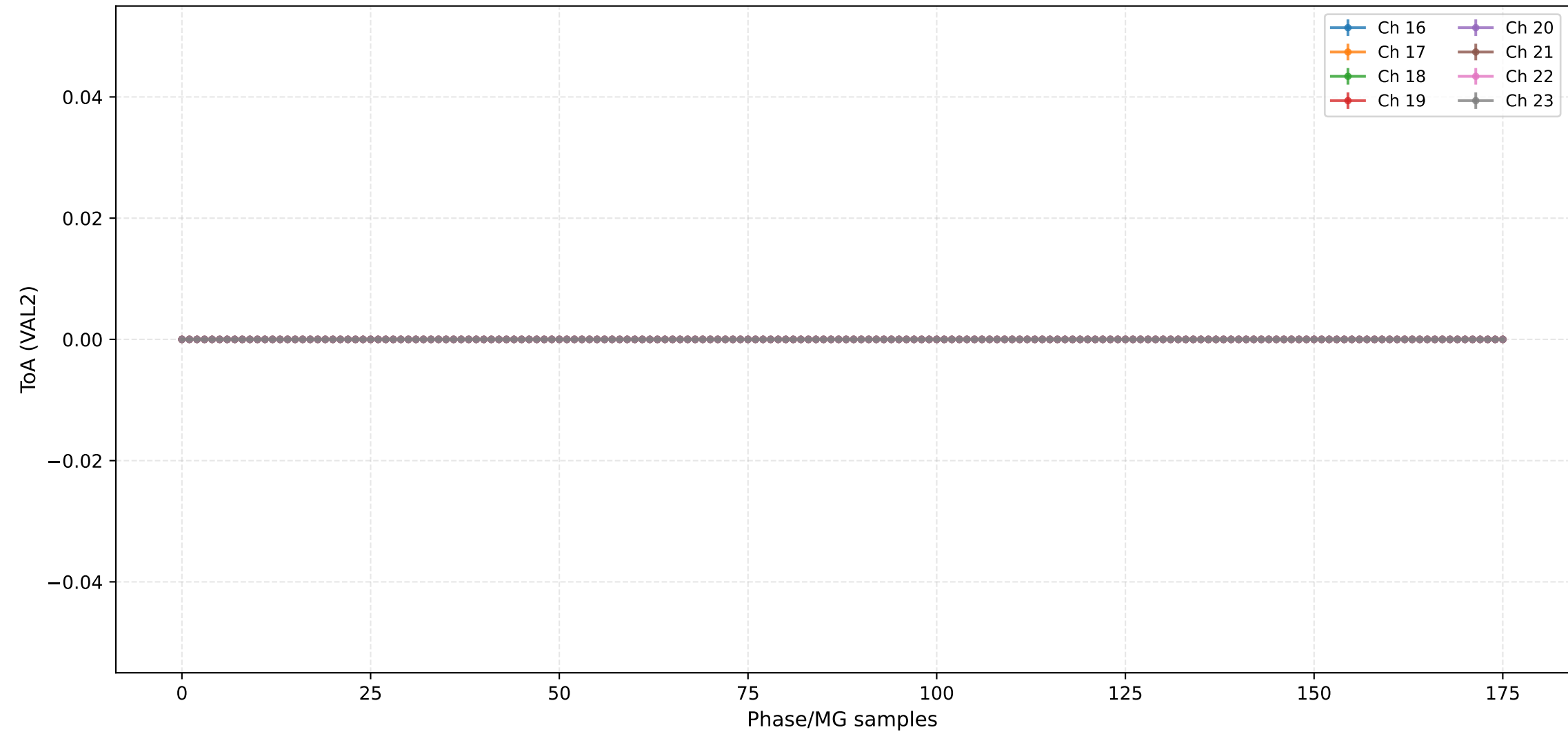
## ToA (VAL2) - Channels 0 to 7



## ToA (VAL2) - Channels 8 to 15



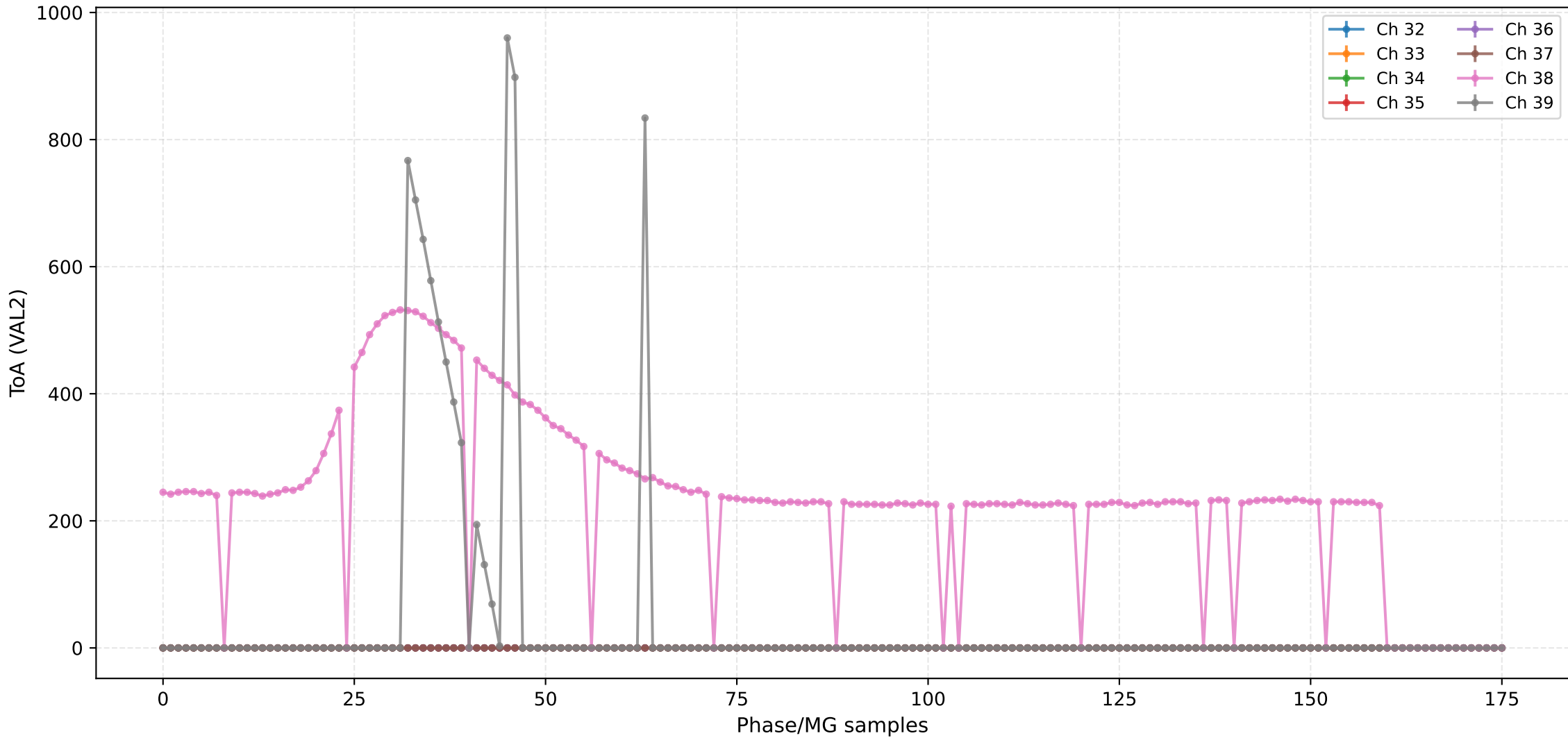
ToA (VAL2) - Channels 16 to 23



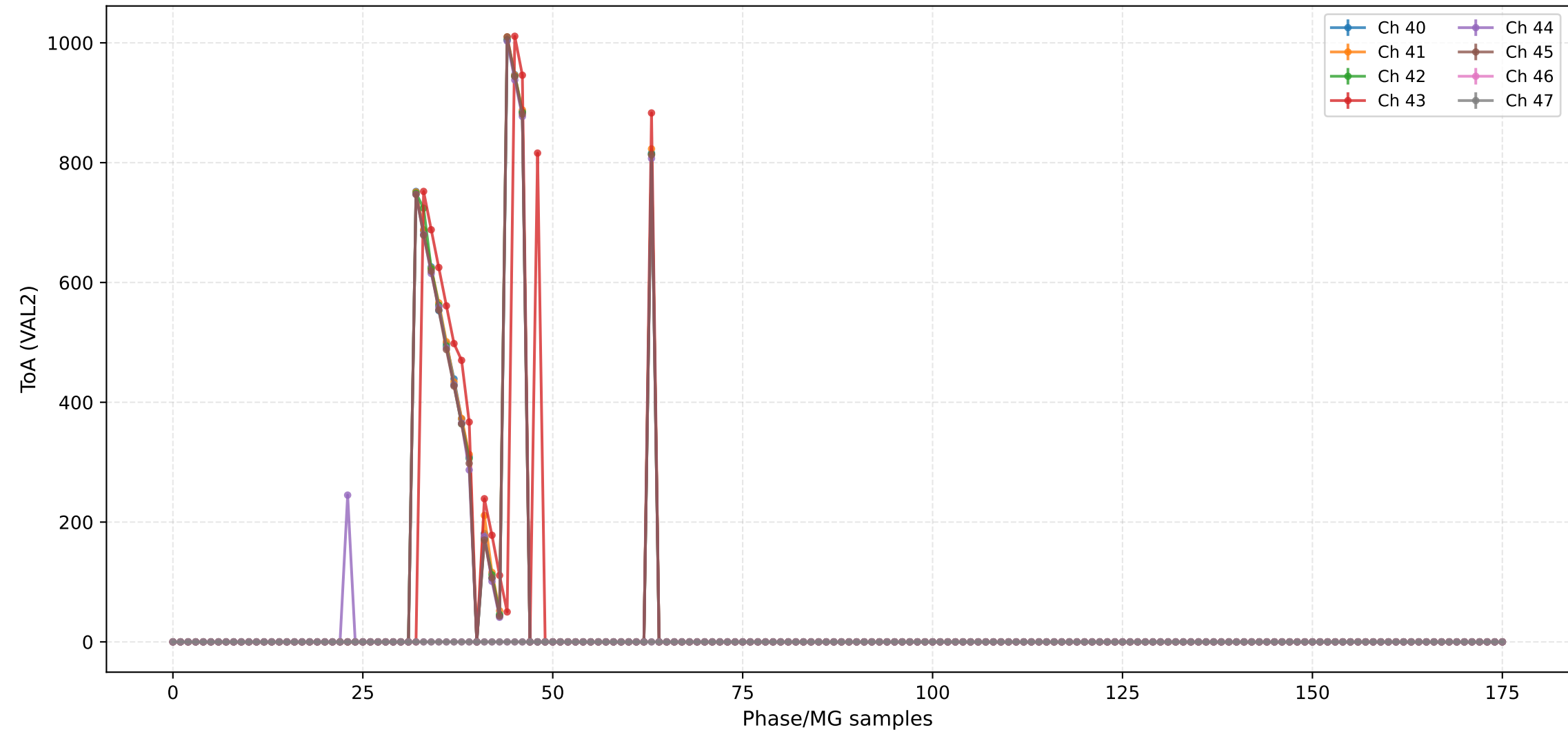
ToA (VAL2) - Channels 24 to 31



## ToA (VAL2) - Channels 32 to 39



ToA (VAL2) - Channels 40 to 47



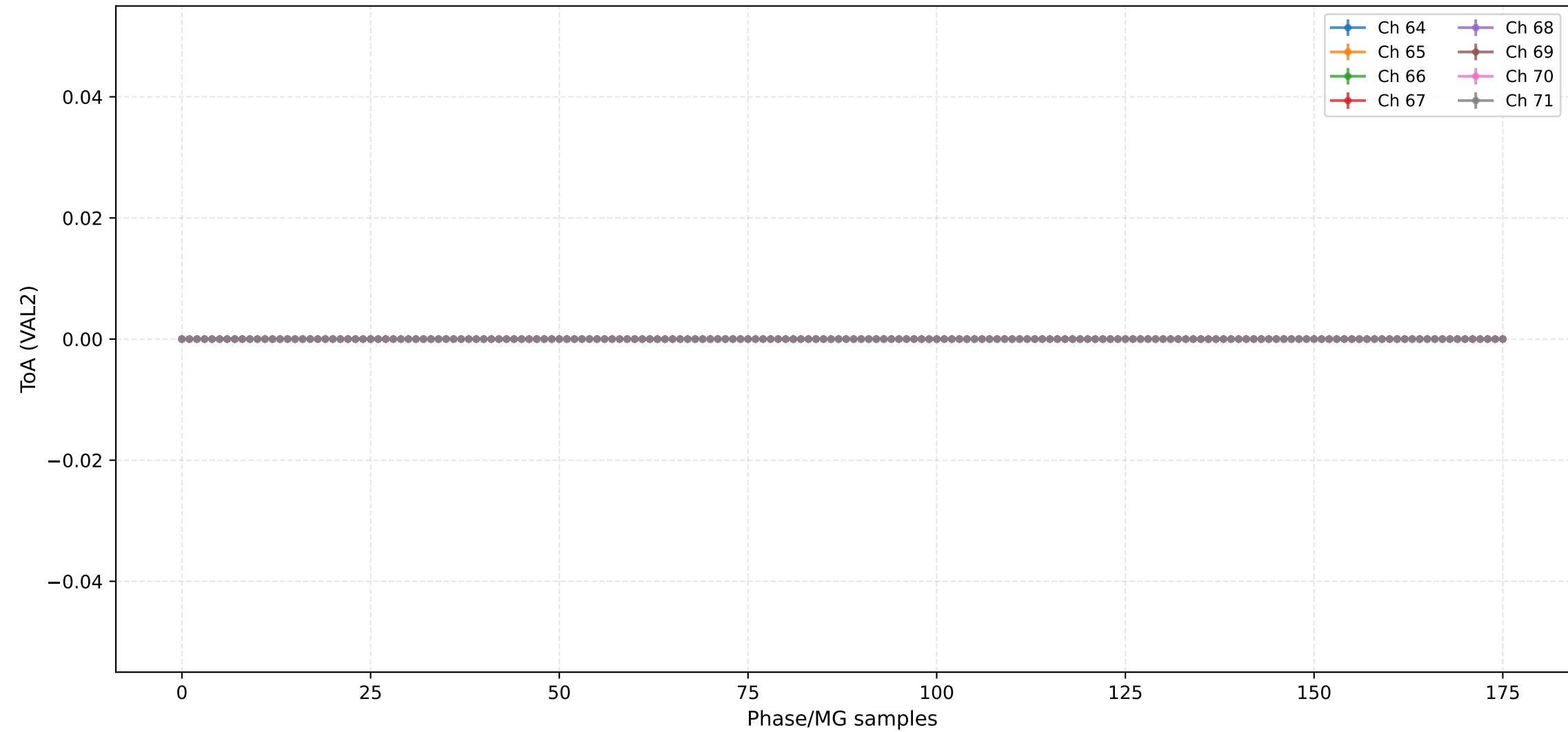
ToA (VAL2) - Channels 48 to 55



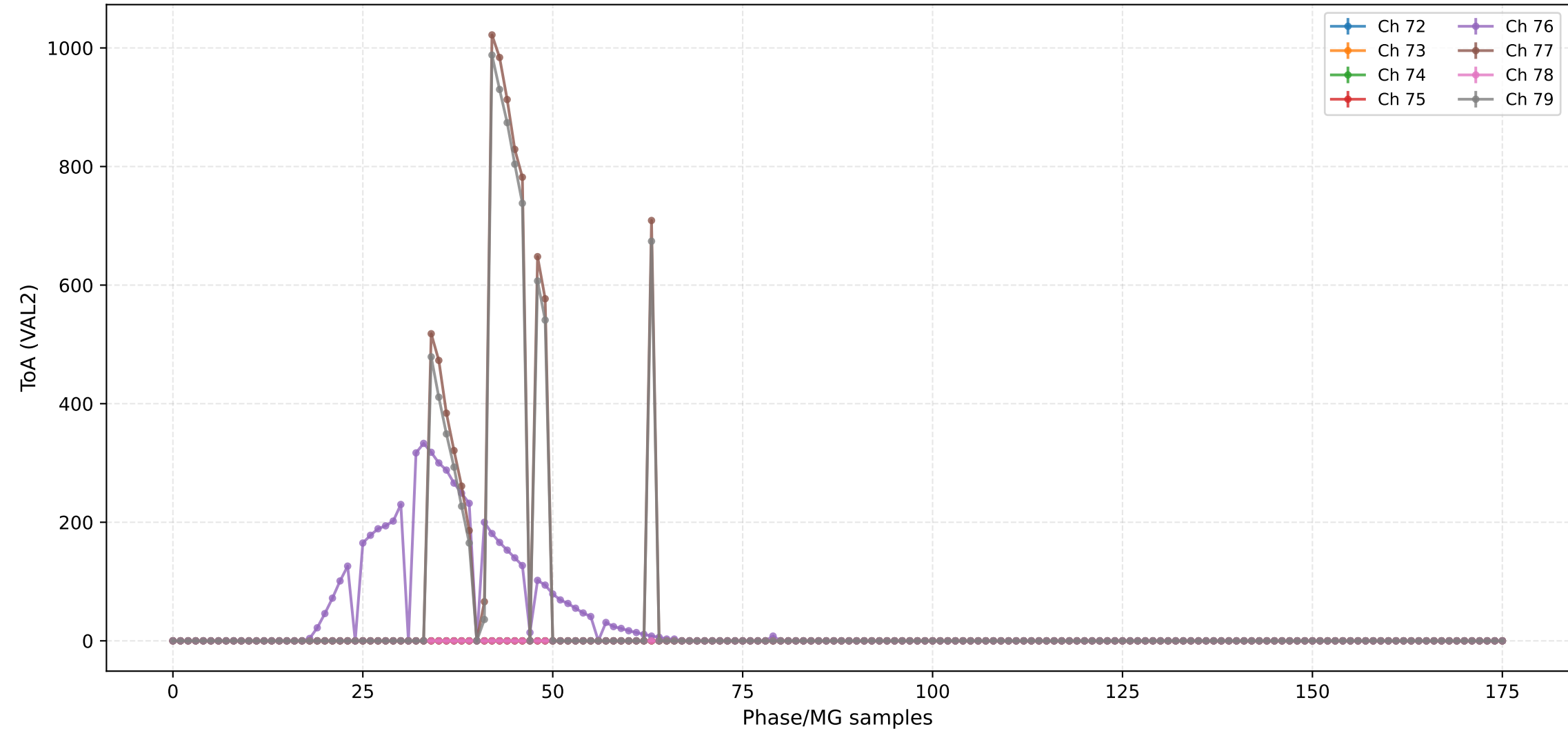
## ToA (VAL2) - Channels 56 to 63



### ToA (VAL2) - Channels 64 to 71



## ToA (VAL2) - Channels 72 to 79

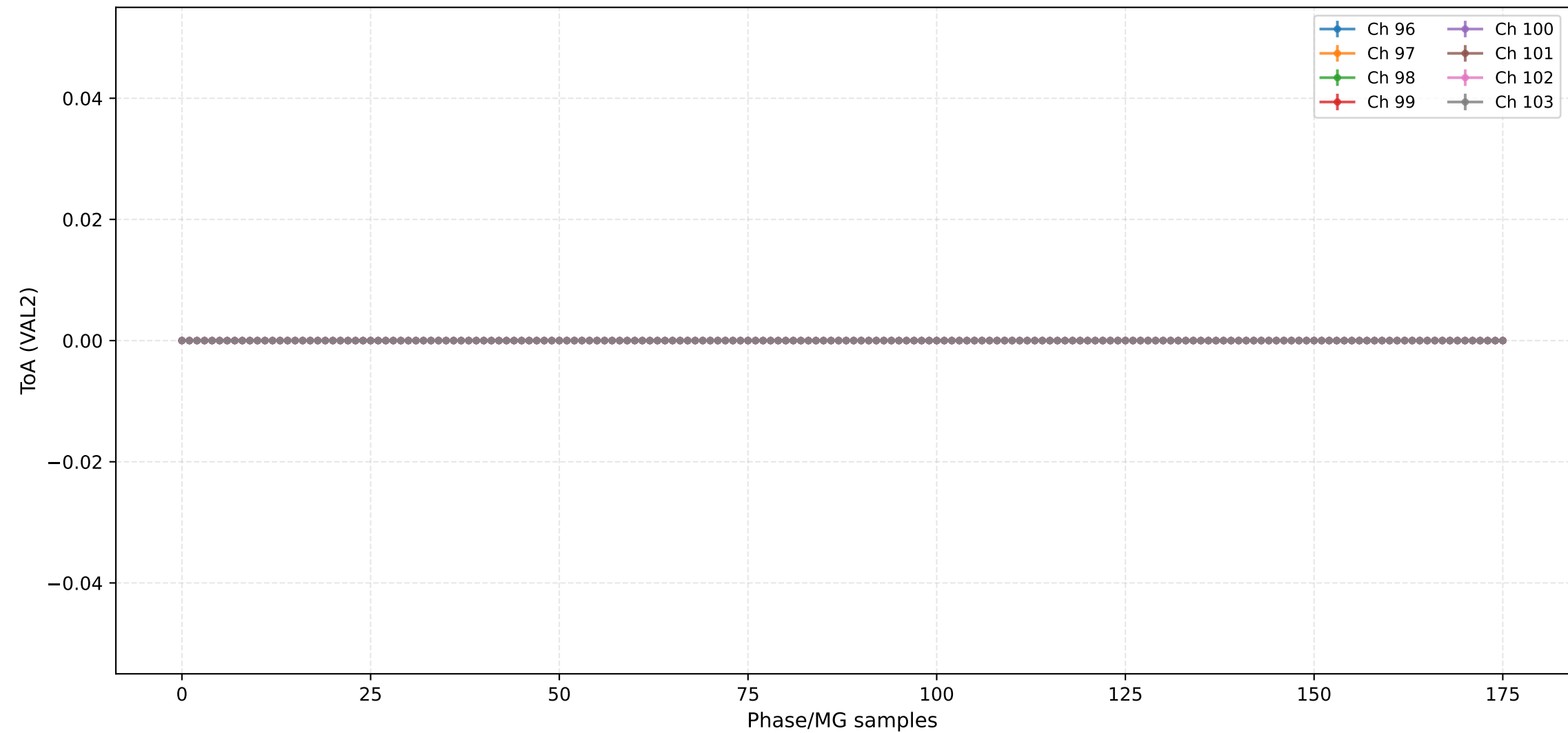




## ToA (VAL2) - Channels 88 to 95



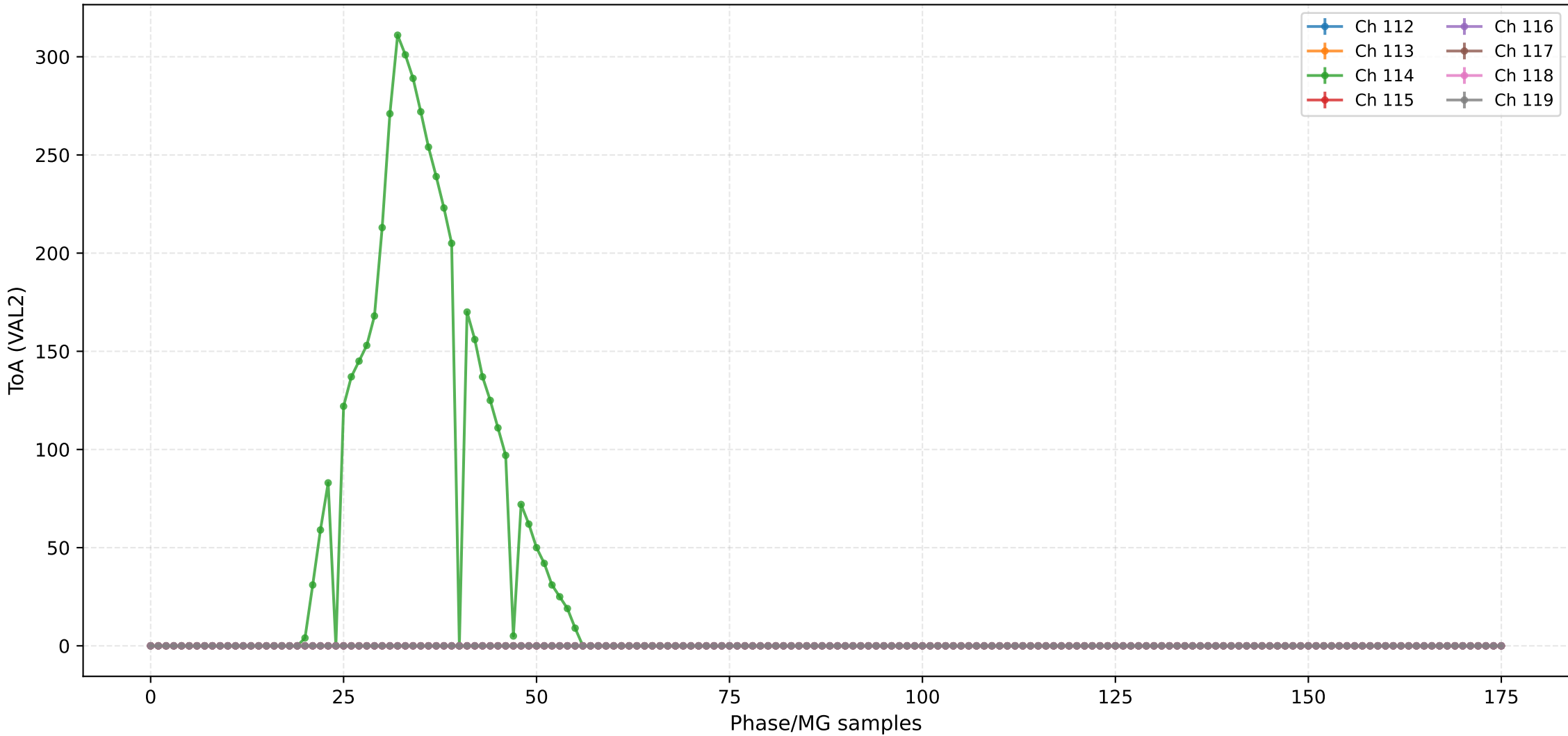
ToA (VAL2) - Channels 96 to 103



## ToA (VAL2) - Channels 104 to 111

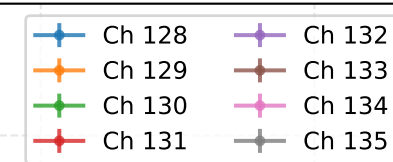


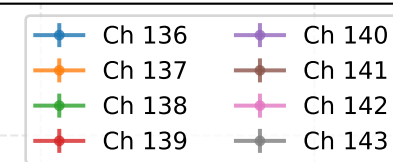
## ToA (VAL2) - Channels 112 to 119



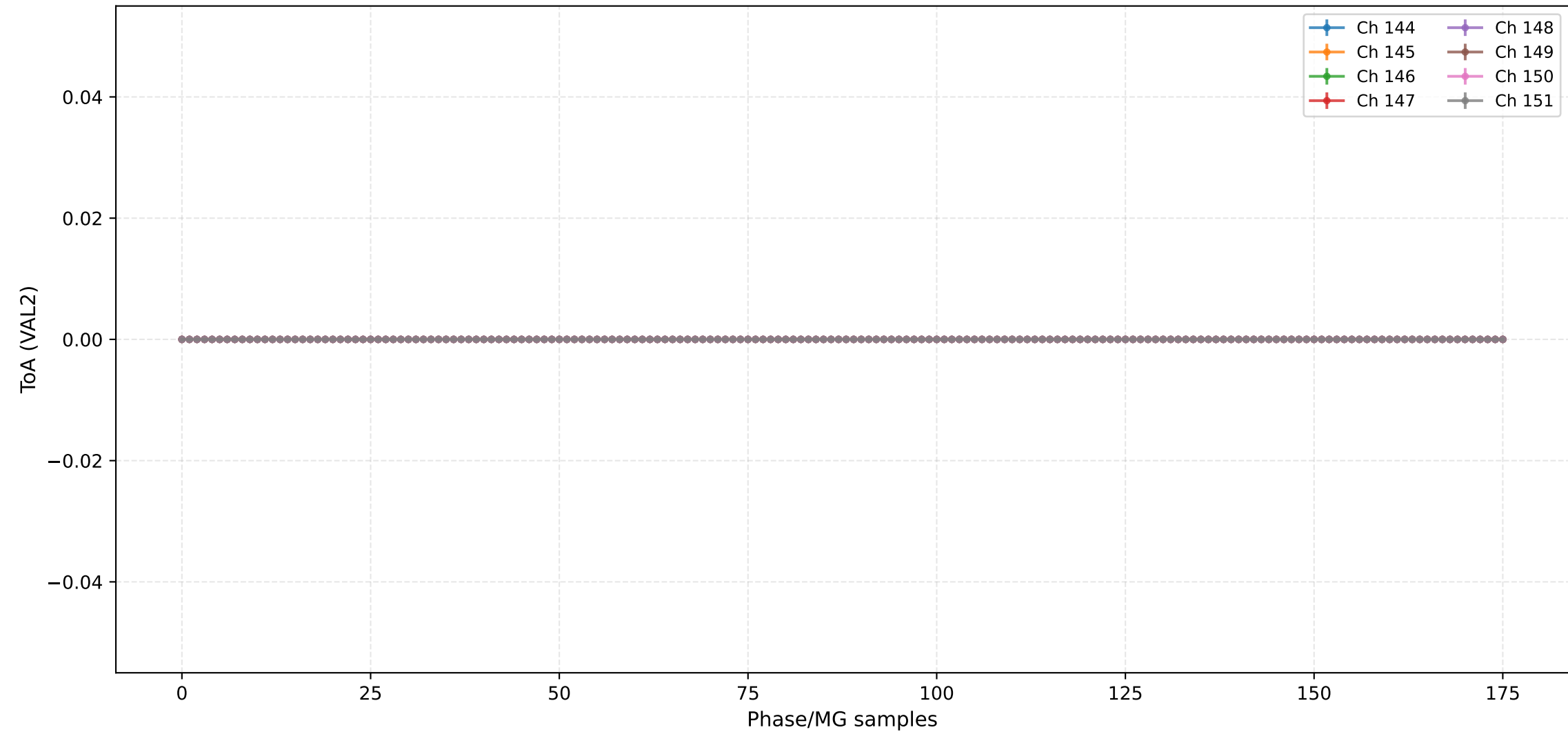


The figure displays a plot of the expectation value of the Pauli matrix  $\sigma_y$  versus time for six channels. The x-axis is labeled 'Time (10<sup>-10</sup> s)' and ranges from 0 to 175. The y-axis is labeled 'Expectation value' and ranges from -0.5 to 0.5. A legend in the top right corner identifies the channels: Ch 128 (blue), Ch 129 (orange), Ch 130 (green), Ch 131 (red), Ch 128 (purple), and Ch 129 (brown). All channels show a constant expectation value of approximately 0.05 across the entire time range.





ToA (VAL2) - Channels 144 to 151



## Injection Scan Results

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Script: 205\_Injection v1.0

Date: 2025-12-13 01:21:22

### Configuration:

- Total ASICs: 2
- Injection DAC: 3500
- Machine Gun: 10
- Scan Pack: 2
- Scan Channels: 16
- 2.5V Injection: True
- High Range Injection: False

### Analog Settings:

- RF: 0x-1
- CF: 0x-1
- CC: 0x-1
- CF Comp: 0x-1

### Output Files:

- 205\_Injection\_asic2\_injdac3500\_mg10\_pack2\_chn16\_val0.csv
- 205\_Injection\_asic2\_injdac3500\_mg10\_pack2\_chn16\_val1.csv
- 205\_Injection\_asic2\_injdac3500\_mg10\_pack2\_chn16\_val2.csv